

OBG

FINAL REPORT

**Groundwater IRM
4th Quarter and Annual Summary 2016
Groundwater Monitoring Report**

**GE Aviation
612/62574**

March 2017



MARCH 17, 2017 | 612 | 62574

**Groundwater IRM
4th Quarter and Annual Summary 2016
Groundwater Monitoring Report**

Evendale, Ohio

**Prepared for:
GE Aviation**

March 2017

Douglas M. Crawford

**DOUGLAS M. CRAWFORD – VICE PRESIDENT
O'Brien & Gere Engineers, Inc.**

TABLE OF CONTENTS

List of Tables.....	ii
List of Figures.....	ii
List of Appendices	ii
1. Introduction	1
2. Methods.....	2
3. Summary of Monitoring Results.....	3
3.1 Groundwater Pumping System	3
3.2 Groundwater Elevations	3
3.3 Groundwater Quality.....	3
3.3.1 IRM Performance Monitoring.....	3
3.3.2 Semiannual Site-Wide Monitoring.....	4
4. Annual Summary - 2016	5
4.1 IRM System Operations	5
4.2 Groundwater Elevation Data.....	5
4.3 Groundwater Quality Data	6
4.4 Semiannual Groundwater Quality Data.....	7
5. References.....	8

LIST OF TABLES

- Table 1 – Summary of Performance Monitoring Assessment – 4Q-16
- Table 2 – Well Completion Data – Groundwater Level Monitoring
- Table 3 – Well Completion Data – Groundwater Quality Monitoring
- Table 4 – Summary of Groundwater Sampling Results (4Q-16) – Detected Parameters Only
- Table 5 – Summary of Groundwater Chemical Cross-Contamination Analyses
- Table 6 – Statistical Summary of Vertical Gradient Analysis – Perched to USG
- Table 7 – Statistical Summary of Vertical Gradient Analysis – USG to LSG
- Table 8 – Statistical Summary of Vertical Gradient Analysis – Perched to LSG
- Table 9 – Statistical Summary of Steady-State Analysis
- Table 10 – Summary of Extraction Well Influent Chemical Statistical Analysis

LIST OF FIGURES

- Figure 1 – Groundwater IRM Monitoring Locations
- Figure 2 – Perched Zone Estimated Drawdown and Capture Zone
- Figure 3 – USG Estimated Drawdown and Capture Zone
- Figure 4 – LSG Estimated Drawdown and Capture Zone
- Figure 5 – Groundwater Elevation Hydrographs, Perched Zone
- Figure 6 – Groundwater Elevation Hydrographs, USG
- Figure 7 – Groundwater Elevation Hydrographs, LSG
- Figure 8 – Perched Zone Historical Groundwater Analytical Results for IRM Monitoring Wells
- Figure 9 – Upper Sand and Gravel (USG) Historical Groundwater Analytical Results for IRM Monitoring Wells
- Figure 10 – Lower Sand and Gravel (LSG) Historical Groundwater Analytical Results for IRM Monitoring Wells
- Figure 11 – Total CVOC Concentration Plots – Extraction Wells

LIST OF APPENDICES

- Appendix A-1 – IRM Groundwater Sampling Program QA/QC Results and Data Validation
- Appendix A-2 – Second Semiannual Groundwater Sampling Program Data Validation Report
- Appendix B – Analytical Laboratory Reports (on CD)
- Appendix C – Field Parameters and Total VOC Concentration Plots for Select Monitoring Wells

1. INTRODUCTION

O'Brien & Gere Engineers, Inc. (OBG) has prepared this report on behalf of the General Electric Company (GE) to present the results of groundwater monitoring activities conducted during October through December 2016 (herein referred to as Fourth Quarter 2016), at the GE Aviation facility located in Evendale, Ohio. The groundwater monitoring includes two programs: 1) Interim Remedial Measures (IRM) quarterly performance monitoring and 2) Site-wide semiannual monitoring. The quarterly monitoring event was conducted in accordance with the approach and methods outlined in the *Interim Remedial Measure (IRM) Performance Monitoring Plan* (PMP) prepared by OBG (OBG, 2010). In addition, the Second Semiannual 2016 Site-wide groundwater sampling event was performed from December 5 through 7, 2016, with a final sample collected on December 28, 2016, in accordance with the approach and methods outlined in the *Quarterly Groundwater Monitoring Plan (Work Plan)* (OBG, 2009b). The quarterly monitoring of IRM performance and semiannual monitoring of Site-wide groundwater concentrations were performed as part of the Resource Conservation and Recovery Act (RCRA) Corrective Action Program at the Facility.

IRM performance monitoring is conducted quarterly to evaluate the temporal effect on groundwater conditions of a groundwater IRM. The groundwater IRM, which includes, since 2011, the operation of seven groundwater extraction wells and a groundwater treatment plant (GWTP), has been installed on the southern portion of the GE Aviation manufacturing facility (Facility) in Evendale, Ohio, within an area known as the former Air Force Plant 36 (AFP 36) ([Figure 1](#)). The groundwater IRM was initiated under a RCRA Corrective Action Permit with the objective of mitigating off-site migration of chlorinated volatile organic compounds (CVOCs), while minimizing the risk of cross-contamination between water-bearing units and/or reducing the effectiveness of biodegradation processes.

The IRM performance monitoring data are evaluated and reported after each quarterly sampling event, including evaluations of quality assurance, cross-contamination potential, and significant short-term anomalies. A summary of the performance monitoring assessment for Fourth Quarter 2016, including responses to the key study questions outlined in the PMP, is provided in [Table 1](#). Relevant details from the Fourth Quarter 2016 event are provided herein. Long-term trends and overall remediation progress are evaluated and reported annually, and are provided herein.

Site-wide groundwater monitoring is conducted semiannually to evaluate the distribution of CVOCs over time and to evaluate the natural attenuation of CVOCs. During the semiannual site-wide sampling, groundwater is sampled from wells located throughout the Facility and off-property. The data are evaluated for flow direction and long-term concentration trends. These trends are reported annually and are provided herein.

2. METHODS

The groundwater monitoring network ([Figure 1](#)) consists of a total of 115 wells completed in three water-bearing units (Perched Zone, Upper Sand and Gravel [USG], and Lower Sand and Gravel [LSG]). Currently, this network is primarily utilized to support two programs: 1) the PMP, for monitoring of IRM performance, and 2) Site-wide monitoring of flow direction, water quality, and CVOC attenuation.

As outlined in the PMP, the general scope of groundwater monitoring activities includes:

- Groundwater level monitoring using manual measurements, as well as pressure transducer measurements. Monitoring was conducted using a total of 66 wells completed in the Perched Zone (21 wells), USG (23 wells), and LSG (22 wells). [Table 2](#) identifies the wells utilized for groundwater level monitoring.
- Groundwater quality sampling using passive diffusion bag samplers (PDBs) for analysis of volatile organic compounds (VOCs) and in-situ field bioparameters (*e.g.*, dissolved oxygen [DO] and oxidation-reduction potential [ORP]), in accordance with the PMP. Groundwater samples were collected from a total of 44 wells completed in the Perched Zone (12 wells), USG (17 wells), and LSG (15 wells) ([Table 3](#)).
- Monthly sampling of groundwater from actively pumping extraction wells for analysis of VOCs.
- Evaluation of data from groundwater level and quality monitoring, including statistical analysis to assess hydrogeologic conditions of stability (equilibrium) and potential cross-contamination between the water-bearing units.

Well completion data for groundwater level and quality monitoring are summarized in [Tables 2](#) and [3](#), respectively. Methods and procedures for groundwater monitoring were conducted in accordance with the U.S. Environmental Protection Agency (USEPA)-approved *Sampling and Analysis Plan* (SAP) (OBG, 2009a) and the PMP. Additional details on field methods are provided in *Groundwater IRM, Quarterly Groundwater Monitoring Report – 3rd Qtr – 2012* (OBG, 2013a) and *Groundwater IRM, Quarterly Groundwater Monitoring Report – 4th Qtr – 2012, Annual Summary – 2012* (OBG, 2013b).

Field quality control (QC) samples included trip blanks, field duplicates, and matrix spike/matrix spike duplicates (MS/MSDs). The QC samples were prepared in accordance with Section 3.3 of the SAP, using the frequencies specified in the *Quality Assurance Project Plan* (QAPP) tables contained in the SAP. Laboratory QA measures are identified in the SAP.

The Site-wide groundwater monitoring was performed at 35 monitoring wells. The wells are sampled using PDBs for analysis of VOCs and field bioparameters in accordance with the USEPA-approved *Quarterly Groundwater Monitoring Plan* (Work Plan) (OBG, 2009b). Groundwater samples were collected from 35 wells completed in the Perched Zone (12 wells), USG (11 wells), and LSG (12 wells) ([Tables 2](#) and [3](#) and [Figure 1](#)). Approximately 50% of these wells are included in the groundwater IRM monitoring program.

3. SUMMARY OF MONITORING RESULTS

Groundwater monitoring during the Fourth Quarter 2016 consisted of the collection and analysis of groundwater level and quality data to evaluate the occurrence of cross-contamination and significant short-term anomalies. A summary of the performance monitoring assessment is presented in [Table 1](#) and additional details are provided below.

The Fourth Quarter 2016 laboratory analytical results for VOCs underwent Level A data review and verification by OBG ([Appendix A-1](#)), and data validation for the Second Semiannual 2016 data ([Appendix A-2](#)), which includes 19 wells completed in the Perched zone (4 wells), USG (8 wells), and LSG (7 wells) that are also part of the Fourth Quarter 2016 groundwater sampling event. An electronic copy of the laboratory analytical report is included in the attached CD ([Appendix B](#)).

3.1 GROUNDWATER PUMPING SYSTEM

- During the Fourth Quarter 2016, the overall IRM system average flow rate was 190 gallons per minute (gpm) and the run-time was approximately 98.8%. Extraction well average flow rates for the Fourth Quarter 2016 include:
 - » Perched Zone – 19 gpm (EW-2P and EW-6P) to 42 gpm (EW-4P)
 - » USG – 8 gpm (EW-7S)
 - » LSG – 32 gpm (EW-3D) and 47 gpm (EW-8D).
- The GWTP was operational for most of Fourth Quarter 2016; however, EW-2P was shut down from November 3, 2016, through December 31, 2016, due to a failed pump motor, which will be replaced when extraction well EW-3D, which continued to cycle during the Fourth Quarter 2016, is re-developed.

3.2 GROUNDWATER ELEVATIONS

- Groundwater elevation data were used to create hydrographs ([Figures 5](#) through [7](#)) and calculate vertical hydraulic gradients between select nested wells for trend and statistical analyses (see [Tables 6](#) through [9](#)). The results of these analyses were used to evaluate the potential occurrence of cross-contamination between water-bearing units and equilibrium conditions (as summarized in [Table 1](#)), as well as estimate the capture zone of each extraction well ([Figures 2](#) through [4](#)).

3.3 GROUNDWATER QUALITY

3.3.1 IRM Performance Monitoring

- Groundwater quality data for Fourth Quarter 2016 are provided in [Table 4](#). Groundwater quality data were summarized via time-series plots for individual and nested monitoring wells ([Figures 8](#) through [10](#)). In addition, statistical analyses were conducted to assess pumping risk associated with vertical and/or lateral cross-contamination ([Table 5](#)). Groundwater quality data and associated intrawell statistical analyses do not show significant trends or triggers in VOC concentrations indicative of cross-contamination; however, the following fluctuations are noted as warranting observation in future sampling rounds:
 - » AF-7S showed an increase in vinyl chloride (VC) concentration from 450 µg/l to 550 µg/l in this quarterly event but has remained below peak concentrations since 2015.
 - » TMW-1S showed an increase in VC concentration from 11 µg/l to 40 µg/l in this quarterly event and remains slightly elevated.
 - » OSMW-3D showed an increase in trichloroethylene (TCE) concentration from 29 µg to 390 µg, whereas the concentration of (cis-1,2-DCE) decreased from 440 µg/l to 230 µg/l in this quarterly event.
 - » OSMW-6D showed an increase in VC concentration from 130 µg/l to 200 µg/l in this quarterly event.

- » TMW-2D showed an increase in cis-1,2-DCE (570 µg/l), trans-1,2-DCE (160 µg/l) and VC (33 µg/l) concentration from 34 µg/l, 7.5 µg/l and 2.9 µg/l, respectively, in the last quarterly event. However, concentrations have remained below peak concentrations since 2015.
- Groundwater quality data for extraction wells and IRM system influent samples indicate steady or decreasing concentrations of CVOCs ([Figure 11](#)), with the exception of an increase in the cis-1,2-DCE concentration in EW-2P to a new peak concentration, and fluctuations in the VC and total VOCs concentrations in EW-7S; however, both concentrations are within the range of historical peaks.

3.3.2 Semiannual Site-Wide Monitoring

Historical groundwater analytical results from the sampled wells are summarized in [Table 4](#) and in three figures graphically depicting concentrations of TCE, cis-1,2-DCE, 1,1-dichloroethene (1,1-DCE), VC, 1,1,1-trichloroethane (TCA), 1,1-dichloroethane (DCA), and total VOCs in the Perched zone ([Figure 8](#)), USG ([Figure 9](#)), and LSG ([Figure 10](#)).

For the majority of monitoring wells sampled during the December 2016 Site-wide event, the results for these wells compare favorably (*i.e.*, stable or declining trends) with historical data, falling below previous maximum concentrations or within the range of typical variation for the historical groundwater data (particularly recent historical data since 2009) with the following exceptions:

■ Perched

- » H-221 concentration of TCE (49 µg/l) increased slightly from 34 µg/l, and has remained below peak concentrations measured since 2012.

■ USG

- » OSMW-6S concentration of cis-1,2-DCE (18 µg/l) and VC (7.2 µg/l) increased slightly from 5.8 µg/l and 1.8 µg/l, respectively, and remains in the range of peak concentrations measured since 2014.

■ LSG

- » OSMW-8D concentrations of cis-1,2-DCE (30 µg/l) and VC (64 µg/l) increased from 3.2 µg/l and 49 µg/l, respectively, setting new range of peak concentrations.

CVOC concentrations for the majority of wells north of former AFP36 (*e.g.*, AOC LDMW-1S, AOC PSTMW-1SR, AOC PSTMW-2S) and further south (OSMW-5S, OSMW-5D) continue to show decreasing or stable concentrations (within the range of typical variation for the historical groundwater data) with the following exceptions:

- OSMW-5D – the cis-1,2-DCE (300 µg/l) and VC (28 µg/l) concentrations increased slightly from 290 µg/l and 19 µg/l, respectively from the Fourth Quarter 2015 sampling event (well was not sampled during the Second Quarter 2016 due to broken bolts on the flush mount protective casing, which were subsequently repaired); cis-1,2-DCE established a new peak.

4. ANNUAL SUMMARY - 2016

A summary and evaluation is provided of key findings from groundwater IRM system operation and monitoring data collected during 2016. The IRM system was monitored in accordance with the USEPA-approved PMP during 2016, including IRM performance monitoring (influent and effluent concentrations) and groundwater quality and hydraulic (water level) monitoring associated with the IRM system. In addition, semiannual groundwater quality monitoring during 2016 was conducted in accordance with the USEPA-approved August 2009 Work Plan. The overall data usability with respect to completeness is 100 percent for the VOC data. The VOC data were also determined to be usable for qualitative and quantitative purposes. The data validation summary report for the Second Semiannual 2016 event is provided in [Appendix A-2](#).

4.1 IRM SYSTEM OPERATIONS

To assist in reviewing 2016 groundwater monitoring data and trends, the following summary is provided for the IRM system operations:

- The system operated for a total of 342 days, or 93%, in 2016, with short-term shut down of a few hours to a day for routine maintenance.
- USG extraction well EW-7S maintained a reduced pumping rate throughout 2016; the average rate decreased from 9 gpm during the First Quarter 2016 to 8 gpm during the Fourth Quarter 2016, as a result of on and off pump cycling and periods of shut down during the Pilot Study. The Pilot Study began in August 2015 and continued into the First Quarter 2016. GE continues to monitor the current pumping rate, and is evaluating the potential benefits of an alternate pumping approach, as outlined in the *Corrective Measures Study (CMS)* Work Plan (OBG, 2015e).
- The average IRM system extraction (flow) rate was approximately 220 gpm in 2016; the extraction rate from each water-bearing zone was as follows:
 - » Perched Zone extraction system:
 - › EW-2P: 37 gpm
 - › EW-4P: 43 gpm
 - › EW-5P: 24 gpm
 - › EW-6P: 20 gpm
 - » USG extraction well 7S operated at approximately 8 gpm.
 - » LSG extraction wells EW-3D and EW-8D operated at approximately 31 gpm and 45 gpm, respectively.
- A total of 109 million gallons of groundwater were extracted by the IRM system in 2016.

4.2 GROUNDWATER ELEVATION DATA

Groundwater elevation data were used to create hydrographs and calculate vertical hydraulic gradients between select nested wells for trend and statistical analysis. The results of these analyses were used to evaluate the occurrence of cross-contamination and equilibrium conditions, as outlined in the PMP, as well as estimate the groundwater flow paths and capture zone of the extraction wells. Highlights are summarized as follows:

- Groundwater Levels and Pumping Influence:
 - » Allowing for seasonal fluctuations in regional groundwater levels, the depression of groundwater levels established in 2011 in the Perched and LSG was maintained in 2016. In the USG, the capture zone in EW-7S in 2016 has reduced to less than the designed capture zone, due to the reduced pumping rate in this extraction well. Also, the capture zone in the EW-3D area has slightly decreased due to reduction in pumping rate of EW-3D, but remains larger than designed. The effect on water quality is discussed below.

- Vertical Hydraulic Gradients:

- » In most areas of Perched Zone pumping, the vertical gradient between the Perched Zone and USG is upward due to pumping, reversing the regional downward vertical gradient between the Perched Zone and USG. However, the vertical gradient between the Perched and USG in the area of EW-2P (*i.e.*, AF-4P and AF-4S) has reverted to downward during 2016 due to the pumping rate reduction and shut down of EW-2P ([Figures 5](#) and [6](#)).
- » The vertical gradient between the USG and LSG in the area of EW-7S (*i.e.*, AF-11S and AF-11D, and OSMW-4S and OSMW-4D) generally reverted to downward during 2016 due to the pumping rate reduction and shut down of EW-7S (see [Figures 6](#) and [7](#)).
- » Taking into account seasonal fluctuations and IRM treatment system shutdowns, the results indicate no significant increasing or decreasing trends in vertical hydraulic gradients, suggesting that flow in the aquifers remains at a steady state under pumping conditions. Trends do not indicate vertical cross-contamination.
- » There were no increased risks of vertical cross-contamination observed at the 2016 pumping rates.

- Steady-State and Capture Zone Estimates:

- » The steady-state conditions established in 2011 continued in 2016 in the Perched Zone, USG, and LSG, with allowances for seasonal fluctuations in regional groundwater levels. The reduced pumping rate at EW-7S contributed to a reduction in the USG capture zone to less than the designed capture zone.
- » Steady-state conditions supported continuation of Progress Monitoring in the Perched Zone, USG, and LSG in 2016.
- » The estimated Perched Zone, USG, and LSG capture zones ([Figures 2](#) through [4](#)) observed in 2016 approximate the capture zones as designed, except as previously mentioned in the USG due to the reduction in the sustainable pumping rate of EW-7S. The Perched Zone and LSG capture zones were approximately equal to or slightly larger than designed and extend further eastward than designed; however, they were reduced slightly during 2016 due to the operational issues with EW-2P and cycling of EW-3D.

4.3 GROUNDWATER QUALITY DATA

Groundwater quality data were used to assess the pumping risk associated with vertical and/or lateral cross-contamination, as well as to measure remedial progress. Highlights of this evaluation include:

- Monitoring Well Data – Cross-Contamination Analyses:

- » Field bioparameter data collected in 2016 were relatively stable and do not appear to indicate cross-contamination or a reduction in the effectiveness of biodegradation processes within the Perched Zone, USG, or LSG (see [Appendix C](#)). However, there appeared to be an increase in the DO within the LSG in the southern portion of the site, including wells OSMW-3D, OSMW-10D, and PMW-3D, which will continue to be monitored.
- » In 2016, there was no increased risk of vertical cross-contamination observed at the 2016 pumping rates.

- Extraction Well Influent – Chemical Data

- » The data indicate steady state or decreasing concentrations in CVOCs ([Figure 11](#)) with the exception of:
 - » EW-7S exhibited increasing CVOC concentrations associated with the continuous reduced pumping rate in this well. However, the concentrations in nearby monitoring wells AF-11S and AF-11D, and OSMW-4S and OSMW-4D have remained relatively stable ([Figures 9](#) and [10](#)). GE continues to monitor the current pumping rate, and is evaluating the potential benefits of an alternate pumping approach.
 - » The total CVOCs concentrations in the IRM system influent samples remained reasonably stable during

2016; however, the cis-1,2-DCE and VC concentrations fluctuated notably, but within historical ranges.

- » The influent analytical data will continue to be monitored on a monthly basis in 2017 to evaluate whether pumping rate adjustments for the wells (*i.e.*, system optimization) are necessary.
- » Decreases in other extraction well concentrations in 2016 for individual constituents indicate the potential for IRM system optimization, which will be further evaluated in 2017.
- » Progress Monitoring will continue for the Perched Zone, USG, and LSG.
- » A statistical summary of extraction well and IRM system influent analysis to evaluate the progress of the IRM system is presented in **Table 10**. The results were either stable (no significant trends) or decreasing (as evident by significant negative trends). Significant positive trend (increasing concentrations) for tetrachloroethene (PCE) in extraction well EW-5P and TCA Group constituents in extraction well EW-7S are based on trace level detections and are not of concern.

4.4 SEMIANNUAL GROUNDWATER QUALITY DATA

- Semiannual analytical results for 2016 showed stable or declining trends in VOC concentrations for the majority of wells when compared with historical data.
- Some increases in concentrations, which are potentially related to plume movement or recovery, include wells OSMW-3D and TMW-2D, which are also IRM wells:
 - » TCE and cis-1,2-DCE concentrations in OSMW-3D continued to fluctuate in 2016, as they have since 2014, and will continue to be monitored through routine sampling.
 - » cis-1,2-DCE concentrations in TMW-2D continued to generally remain elevated, and will continue to be monitored through routine sampling.
- Some increases in concentrations, which are not apparently related to plume movement or recovery, include wells OSMW-6D, OSMW-8D, and OSMW-5D:
 - » VC concentrations in OSMW-6D increased and continued to fluctuate in 2016 and will continue to be monitored through routine sampling.
 - » VC and most recently, cis-1,2-DCE, concentrations in OSMW-8D increased and peaked during the Fourth Quarter 2016 and will continue to be monitored through routine sampling.
 - » cis-1,2-DCE and VC concentrations in OSMW-5D increased and cis-1,2-DCE concentrations peaked during the Fourth Quarter 2016 and will continue to be monitored through routine sampling. However, CVOCs in OSMW-5D may be attributed to mixed or co-mingled plumes. The occurrence of multiple off-site groundwater plumes is supported by regional studies by the U.S. Geological Survey (Schalk and Darner, 2004).

5. REFERENCES

- OBG, 2009a. Sampling and Analysis Plan. General Electric Company, Evendale, Ohio. June 2009.
- OBG, 2009b. Quarterly Groundwater Monitoring Plan (Work Plan). General Electric Aviation, Evendale, Ohio. August 2009.
- OBG, 2010. IRM Performance Monitoring Plan. GE Aviation, Evendale, Ohio. December 2010.
- OBG, 2012a. Groundwater IRM, Quarterly Groundwater Monitoring Report – 3rd Quarter 2011. GE Aviation, Evendale, Ohio. January 2012.
- OBG, 2012b. Groundwater IRM, Quarterly Groundwater Monitoring Report – 4th Quarter 2011. GE Aviation, Evendale, Ohio. March 2012.
- OBG, 2012c. Groundwater IRM, Quarterly Groundwater Monitoring Report – 1st Quarter 2012. GE Aviation, Evendale, Ohio. May 2012.
- OBG, 2012d. Groundwater IRM, Quarterly Groundwater Monitoring Report – 2nd Quarter 2012. GE Aviation, Evendale, Ohio. September 2012.
- OBG, 2013a. Groundwater IRM, Quarterly Groundwater Monitoring Report – 3rd Qtr - 2012. GE Aviation, Evendale, Ohio. March 2013.
- OBG, 2013b. Groundwater IRM, Quarterly Groundwater Monitoring Report – 4th Qtr – 2012, Annual Summary - 2012. GE Aviation, Evendale, Ohio. April 2013.
- OBG, 2013c. Groundwater IRM, Quarterly Groundwater Monitoring Report – 1st Qtr – 2013. GE Aviation, Evendale, Ohio. June 2013.
- OBG, 2013d. Groundwater IRM, Quarterly Groundwater Monitoring Report – 2nd Qtr – 2013. GE Aviation, Evendale, Ohio. September 2013.
- OBG, 2014a. Groundwater IRM, Quarterly Groundwater Monitoring Report – 3rd Qtr – 2013. GE Aviation, Evendale, Ohio. January 2014.
- OBG, 2014b. Groundwater IRM, Groundwater Monitoring Report – 4th Quarter and Annual Summary 2013. GE Aviation, Evendale, Ohio. May 2014.
- OBG, 2014c. Groundwater IRM, Groundwater Monitoring Report – 1st Quarter 2014. GE Aviation, Evendale, Ohio. June 2014.
- OBG, 2014d. Groundwater IRM, Groundwater Monitoring Report – 2nd Quarter 2014. GE Aviation, Evendale, Ohio. September 2014.
- OBG, 2014e. Groundwater IRM, Groundwater Monitoring Report – 3rd Quarter 2014. GE Aviation, Evendale, Ohio. December 2014.
- OBG, 2015a. Groundwater IRM, Groundwater Monitoring Report – 4th Quarter and Annual Summary 2014. GE Aviation, Evendale, Ohio. April 2015.
- OBG, 2015b. Groundwater IRM, Groundwater Monitoring Report – 1st Quarter 2015. GE Aviation, Evendale, Ohio. June 2015.
- OBG, 2015c. Groundwater IRM, Groundwater Monitoring Report – 2nd Quarter 2015. GE Aviation, Evendale, Ohio. September 2015.
- OBG, 2015d. Groundwater IRM, Groundwater Monitoring Report – 3rd Quarter 2015. GE Aviation, Evendale, Ohio. November 2015.

OBG, 2015e. Corrective Measures Study Interim Report. Performance Monitoring Update and Pilot Test Plan. GE Aviation, Evendale, Ohio. June 2015.

OBG, 2016a. Groundwater IRM, Groundwater Monitoring Report – 1st Quarter 2016. GE Aviation, Evendale, Ohio. June 2016.

OBG, 2016b. Groundwater IRM, Groundwater Monitoring Report – 2nd Quarter 2016. GE Aviation, Evendale, Ohio. August 2016.

OBG, 2016c. Groundwater IRM, Groundwater Monitoring Report – 3rd Quarter 2016. GE Aviation, Evendale, Ohio. November 2016.

Sandia National Laboratories, 2005. Barometric and Earth Tide Response Correction (BETCO) User's Manual and Design Document, Version 1.00, ERMS #540534, October 2005.

Hare, P.W., and R.E. Morse, 1997. Water-Level Fluctuations Due to Barometric Pressure Changes in an Isolated Portion of an Unconfined Aquifer. *Ground Water*, V. 35, No. 4, July-August 1997, pp. 667-671.

U.S. Environmental Protection Agency, 2009. Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities: Unified Guidance. EPA 530-R-09-007. March 2009.

Tables

Table 1 - Summary of Performance Monitoring Assessment - 4Q-16

PRIMARY DATA GROUP		KEY QUESTIONS		YES	NO	COMMENTS
GROUNDWATER QUALITY	Hydrographs/Trends	Significant trends identified? ¹		✓		Groundwater levels decreased overall in the Perched, USG, and LSG due to seasonal effects. The greatest decreases occurred through October 21, 2016, then stabilized due to rain events through December 18, 2016, when water levels rose due to another rain event and stabilized thereafter.
	Perched			✓		
	USG			✓		Noticeable rise in water levels due to heavy rainfall events on October 19 - 21, November 28 - 30, and December 16 - 18, 2016.
	LSG			✓		
	Vertical Gradients	Active pumping maintaining gradient reversal?			✓	No for the following wells: AF-4P/S; OSMW-4S/D - due to reduction in EW-7S pumping.
		Statistically significant increasing (downward vertical) trends? ¹			✓	No, except the correlation between the background water levels (GM-9 series) in the USG and LSG are affected by greater response in the USG than the LSG to rainfall (i.e., USG water levels increased greater than the LSG water levels).
	Equilibrium/Capture Zones	Steady state/equilibrium maintained?		✓		Slight decrease in drawdowns in the LSG in response to the cycling of EW-3D.
		Capture zone maintained at or near design?		✓		Except for USG where capture zone is smaller than designed; also slight reduction in EW-3D capture zone due to cycling, but still greater than designed.
	Chemical Trends	Significant trends identified?				
	Perched			✓		
		USG			✓	AF-4S TCA and cis-1,2-DCE increased; AF-7S VC increased; AF-19S VC increased; OSMW-1S cis-1,2-DCE and VC remain elevated; TMW-1S VC increased; - these wells will continue to be monitored closely.
		LSG			✓	OSMW-3D TCE increased; OSMW-6D VC increased; TMW-2D cis-1,2-DCE and VC increased and remains elevated.
		Field bioparameters - indicative of cross-contamination?		✓		
		Field bioparameters - reduced biodegradation effectiveness?			✓	AF-4P, AF-4S, AF-5P, AF-5S, AF-6S, AF-7D, AF-7P, AF-7S, AF-9S, AF-11D, AF-11S, AF-19D, AF-25P, OSMW-1D, OSMW-1S, OSMW-3D, OSMW-3S, OSMW-4D, OSMW-6D, OSMW-9D, OSMW-9SR, OSMW-10D, OSMW-10P, OSMW-11P, OSMW-11S, OSMW-12P, PMW-2D, PMW-3D, PMW-3S, PMW-4D, TMW-1D, TMW-1P, TMW-1S, TMW-2D, and TMW-2S - DO and/or ORP increased; ORP generally decreased and pH generally increased - continue to monitor.
	Vertical Cross-Contamination	Nested wells - vertical cross-contamination?		✓		
	Lateral Cross-Contamination	Potential off-site sources inhibiting remediation?		✓		
	Influent Concentrations	Significant trends identified? ¹		✓		EW-7S exhibited increasing CVOC concentrations associated with the continuous reduced pumping rate in this well.
		Statistical trends - Stable (no significant trends)?		✓		Statistical trends for PCE in EW-5P and TCA Group in EW-7S are based on trace level detections and are not of concern.
		Is continued pumping beneficial?		✓		
		Statistical trends - Decreasing (significant negative trend)?		✓		
		Optimize or re-evaluate?			✓	Except for EW-7S and EW-8D
Note	Key questions in BOLD are PMP Problem Study Questions					
	1 - Statistical data analysis including trend analysis is conducted on the quarterly data; however, the backup for these analyses are only provided in the Annual Summary reports					
	2 - "Elevated" is relative to either recent or historical values					



Table 2 - Well Completion Data - Groundwater Level Monitoring

Water-Bearing Zone	Well ID - Groundwater Level Monitoring			Transducer ³	Northing (feet)	Easting (feet)	Ground Surface Elev (ft msl)	TOC Elevation (ft msl)	Inner Casing Diameter (inches)	Well Screen				Total Depth (ft bTOC) ⁴
	Hydraulic Control Monitoring	Progress Monitoring ¹	Semiannual Monitoring ²							Top (ft bgs)	Top (ft msl)	Bottom (ft bgs)	Bottom (ft msl)	
Perched														
	AF-2P	AF-2P	AF-2P		456379.19	1418008.71	562.10	563.39	2.00	28.00	534.10	33.00	529.10	34.46
			AF-3P		456297.40	1417884.19	560.40	561.82	2.00	21.00	539.40	31.00	529.40	32.42
	AF-4P	AF-4P		T	456180.93	1417877.42	560.40	561.90	2.00	24.50	535.90	34.50	525.90	36.21
	AF-5P	AF-5P	AF-5P		455882.90	1417831.43	559.80	561.22	2.00	28.00	531.80	33.00	526.80	34.75
	AF-6P	AF-6P			456059.85	1417402.52	559.80	561.68	2.00	27.70	532.10	32.70	527.10	35.34
	AF-7P	AF-7P	AF-7P	T	455478.24	1417577.30	559.80	561.21	2.00	31.50	528.30	36.50	523.30	37.43
	AF-10P	AF-10P			456127.64	1416977.53	559.90	561.48	2.00	17.40	542.50	22.40	537.50	23.68
	AF-12P	AF-12P			456295.77	1416183.22	574.20	575.05	2.00	14.50	559.70	19.50	554.70	20.78
	AF-13P	AF-13P			456494.02	1416526.13	565.40	566.82	2.00	35.37	530.03	45.37	520.03	32.45
		AF-14P			456528.73	1416790.19	559.53	558.54	2.00	17.50	542.03	27.50	532.03	28.92
	AF-24P		AF-24P		456451.17	1417576.18	559.82	558.89	2.00	26.23	533.59	36.23	523.59	35.40
	AF-25P	AF-25P	AF-25P	T	456074.92	1417500.43	558.40	558.08	2.00	23.27	535.13	33.27	525.13	33.10
	AF-26P				456122.18	1417674.94	558.30	557.78	2.00	30.96	527.34	40.96	517.34	35.44
			AOC LDMW-1S		457924.00	1417429.00	556.20	555.81	2.00	13.29	542.91	23.29	532.91	22.90
			AOC PSTMW-1SR		459022.76	1417784.33	556.91		2.00					
			AOC PSTMW-2S		458993.37	1417998.15	559.90	559.70	2.00	18.50	541.40	28.50	531.40	24.50
	GM-3P				457074.62	1418304.17	559.50	559.24	2.00	19.30	540.20	29.30	530.20	29.3 ⁴
	GM-9P	GM-9P		T	457104.10	1417217.11	560.30	559.95	2.00	18.00	542.30	28.00	532.30	27.65
			H-221		454547.97	1417264.66	554.70	554.37	2.00	20.00	534.70	30.00	524.70	28.65
	OSMW-1P	OSMW-1P	OSMW-1P	T	455078.23	1417736.02	551.50	554.09	2.00	20.00	531.50	30.00	521.50	32.53
	OSMW-2P	OSMW-2P	OSMW-2P		455601.82	1417822.50	554.80	557.01	2.00	27.00	527.80	37.00	517.80	38.87
	OSMW-10P	OSMW-10P		T	455020.27	1417400.34	555.82	558.57	2.00	20.00	535.82	30.00	525.82	32.57
	OSMW-11P	OSMW-11P			455459.30	1418006.45	552.04	551.71	2.00	13.00	539.04	23.00	529.04	22.93
	OSMW-12P				455880.25	1418332.91	553.66	553.35	2.00	14.70	538.96	24.70	528.96	24.63
	OW-1P				455883.50	1417685.55	559.42	559.75	2.00	30.00	529.42	35.00	524.42	35 ⁴
	PMW-3P	PMW-3P		T	455249.65	1417470.90	557.41	560.10	2.00	16.00	541.41	26.00	531.41	29.07
	PMW-5P	PMW-5P			1417293.42	455489.81	559.11	558.71	2.00	20.15	538.96	30.15	528.96	29.75
	PMW-6P	PMW-6P			1417456.08	455769.69	561.50	561.10	2.00	28.57	532.93	38.57	522.93	38.17
	TMW-1P	TMW-1P		T	455737.69	1417702.75	559.77	562.12	2.00	22.00	537.77	32.00	527.77	33.84
	TMW-2P	TMW-2P			455595.65	1416931.21	556.94	559.71	2.00	28.50	528.44	33.50	523.44	38.45

Notes: 1) Quarterly Progress Monitoring in the Perched, USG, and LSG.

2) Semiannual sampling occurs in the second and fourth quarters.

3) T = Transducer; Blank = Manual.

4) 'ft bTOC' = Feet Below Top of Casing; Total depths for the following wells GM-3P, OW-1P, AF-13S, AF-14S, GM-5D, OW-3D, OW-4D are measured from ground surface.

5) 'ft bgs' = Feet Below Ground Surface.

6) 'ft msl' = Feet Relative to Mean Sea Level.



Table 2 - Well Completion Data - Groundwater Level Monitoring

Water-Bearing Zone	Well ID - Groundwater Level Monitoring			Transducer ³	Northing (feet)	Easting (feet)	Ground Surface Elev (ft msl)	TOC Elevation (ft msl)	Inner Casing Diameter (inches)	Well Screen				Total Depth (ft bTOC) ⁴
	Hydraulic Control Monitoring	Progress Monitoring ¹	Semiannual Monitoring ²							Top (ft bgs)	Top (ft msl)	Bottom (ft bgs)	Bottom (ft msl)	
USG														
	AF-4S	AF-4S		T	456183.67	1417879.81	560.30	562.22	2.00	43.00	517.30	53.00	507.30	54.03
	AF-5S	AF-5S	AF-5S		455887.32	1417833.15	559.60	561.60	2.00	41.00	518.60	51.00	508.60	51.92
	AF-6S	AF-6S			456056.40	1417402.71	560.10	562.67	2.00	41.00	519.10	51.00	509.10	52.80
	AF-7S	AF-7S	AF-7S	T	455482.27	1417577.68	559.70	562.02	2.00	45.00	514.70	55.00	504.70	56.68
	AF-8S	AF-8S			455524.80	1417088.16	559.10	561.08	2.00	50.00	509.10	50.00	499.10	60.00
	AF-9S	AF-9S	AF-9S	T	455790.53	1416793.04	562.00	564.19	2.00	50.00	512.00	60.00	502.00	61.75
	AF-10S	AF-10S			456134.19	1416979.21	559.90	561.98	2.00	61.00	498.90	71.00	488.90	67.75
	AF-11S	AF-11S		T	456094.23	1416577.99	564.70	565.20	2.00	53.00	511.70	63.00	501.70	63.27
	AF-12S	AF-12S			456295.87	1416186.19	574.00	575.41	2.00	64.00	510.00	74.00	500.00	72.31
	AF-13S	AF-13S			456488.94	1416522.95	565.20	567.91	2.00	46.50	518.70	56.50	508.70	56.5 ⁴
	AF-14S	AF-14S			456526.22	1416788.87	559.50	558.56	2.00	56.50	503.00	66.50	493.00	66.5 ⁴
	AF-19S	AF-19S		T	455823.23	1417037.78	561.60	563.87	2.00	52.40	509.20	62.40	499.20	64.65
	AF-20S	AF-20S			455927.77	1416940.35	559.80	562.47	2.00	59.00	500.80	69.00	490.80	71.57
	GM-9S	GM-9S		T	457108.81	1417214.23	561.00	560.13	2.00	43.00	518.00	53.00	508.00	52.09
	OSMW-1S	OSMW-1S	OSMW-1S	T	455082.59	1417738.59	551.50	554.14	2.00	41.00	510.50	51.00	500.50	52.84
	OSMW-3S	OSMW-3S	OSMW-3S	T	455309.01	1417107.64	557.10	559.91	2.00	54.00	503.10	64.00	493.10	66.60
	OSMW-4S	OSMW-4S	OSMW-4S	T	456144.10	1416386.57	565.50	565.10	2.00	65.00	500.50	75.00	490.50	75.84
			OSMW-5S		453589.27	1416137.49	576.70	576.44	2.00	63.80	512.90	73.80	502.90	73.54
			OSMW-6S		455149.40	1416267.11	586.61	586.38	2.00	80.00	506.61	90.00	496.61	88.78
			OSMW-8S		454625.51	1415147.34	584.64	584.33	2.00	77.41	507.23	87.41	497.23	86.70
	OSMW-9S	OSMW-9S			455705.63	1415409.73	594.66	594.37	2.00	88.80	505.86	98.80	495.86	101.30
	OSMW-10S	OSMW-10S		T	455019.93	1417400.39	555.82	558.59	2.00	47.20	508.62	57.20	498.62	58.20
	OSMW-11S	OSMW-11S			455459.42	1418006.57	552.04	551.64	2.00	37.25	514.79	47.25	504.79	47.20
	PMW-3S	PMW-3S			455249.82	1417470.89	557.41	560.12	2.00	44.80	512.61	54.80	502.61	57.40
	TMW-1S	TMW-1S	TMW-1S	T	455739.88	1417703.19	559.78	561.63	2.00	48.30	511.48	58.30	501.48	59.75
	TMW-2S	TMW-2S	TMW-2S		455597.25	1416929.92	557.01	560.15	2.00	40.00	517.01	50.00	507.01	53.08

Notes: 1) Quarterly Progress Monitoring in the Perched, USG, and LSG.

2) Semiannual sampling occurs in the second and fourth quarters.

3) T = Transducer; Blank = Manual.

4) 'ft bTOC' = Feet Below Top of Casing; Total depths for the following wells GM-3P, OW-1P, AF-13S, AF-14S, GM-5D, OW-3D, OW-4D are measured from ground surface.

5) 'ft bgs' = Feet Below Ground Surface.

6) 'ft msl' = Feet Relative to Mean Sea Level.



Table 2 - Well Completion Data - Groundwater Level Monitoring

Water-Bearing Zone	Well ID - Groundwater Level Monitoring			Transducer ³	Northing (feet)	Easting (feet)	Ground Surface Elev (ft msl)	TOC Elevation (ft msl)	Inner Casing Diameter (inches)	Well Screen				Total Depth (ft bTOC) ⁴
	Hydraulic Control Monitoring	Progress Monitoring ¹	Semiannual Monitoring ²							Top (ft bgs)	Top (ft msl)	Bottom (ft bgs)	Bottom (ft msl)	
LSG														
	AF-1D				456927.14	1417977.19	559.80	559.78	4.00	108.00	451.80	118.00	441.80	118.00
	AF-5D			AF-5D	455889.87	1417834.37	559.50	561.66	2.00	100.00	459.50	110.00	449.50	108.1
	AF-7D	AF-7D	AF-7D	T	455489.28	1417578.92	559.70	561.23	4.00	109.00	450.70	119.00	440.70	118.77
	AF-8D				455517.69	1417091.88	559.00	560.73	4.00	86.00	473.00	96.00	463.00	93.72
	AF-9D	AF-9D		T	455794.33	1416786.95	562.20	563.93	4.00	78.00	484.20	88.00	474.20	93.30
	AF-11D	AF-11D		T	456087.97	1416583.70	564.90	566.27	4.00	92.00	472.90	102.00	462.90	101.79
	AF-12D	AF-12D			456297.35	1416191.94	573.30	575.45	4.00	102.00	471.30	112.00	461.30	111.85
	AF-15D	AF-15D			456991.44	1416851.88	559.80	560.95	4.00	103.00	456.80	113.00	446.80	112.86
	AF-16D				457003.87	1417280.19	560.40	561.83	4.00	91.00	469.40	101.00	459.40	102.57
	AF-17D	AF-17D			456484.75	1417467.78	560.30	561.37	4.00	90.00	470.30	100.00	460.30	99.48
	AF-19D	AF-19D		T	455818.36	1417039.55	561.70	564.10	2.00	81.20	480.50	91.20	470.50	93.40
	AF-20D	AF-20D			455933.76	1416941.09	559.80	562.52	2.00	81.10	478.70	91.10	468.70	93.56
	AF-21D	AF-21D	AF-21D		455941.03	1416777.12	560.00	559.61	2.00	80.00	480.00	90.00	470.00	90.11
	GM-3D				457163.25	1418266.08	560.80	562.47	4.00	138.00	422.80	148.00	412.80	148.00
	GM-5D				457241.00	1416754.00	562.00	564.07	4.00	126.43	455.57	116.43	445.57	116.75 ⁴
	GM-9D	GM-9D		T	457107.93	1417219.35	561.00	560.06	4.00	100.00	461.00	110.00	451.00	109.30
	H-223	H-223			454519.10	1417253.00	555.00	555.60	2.00	154.50	400.50	164.50	390.50	161.51
	OSMW-1D	OSMW-1D	OSMW-1D	T	455082.67	1417738.40	551.10	554.16	2.00	80.00	471.10	90.00	461.10	92.75
	OSMW-3D	OSMW-3D	OSMW-3D	T	455309.10	1417107.28	557.10	559.91	2.00	131.00	426.10	141.00	416.10	143.31
	OSMW-4D	OSMW-4D	OSMW-4D	T	456143.93	1416386.96	565.50	565.14	2.00	127.00	438.50	137.00	428.50	135.94
		OSMW-5D			452875.51	1416398.42	560.53	560.25	2.00	121.00	439.53	131.00	429.53	130.72
	OSMW-6D	OSMW-6D	OSMW-6D		455147.40	1416265.11	586.38	586.08	2.00	149.77	436.61	159.77	426.61	162.20
	OSMW-7D	OSMW-7D	OSMW-7D		456711.82	1415686.05	592.44	592.09	2.00	141.00	451.44	151.00	441.44	148.80
			OSMW-8D		454625.45	1415147.03	584.64	584.34	2.00	175.30	409.34	185.30	399.34	187.20
	OSMW-9D	OSMW-9D			455705.86	1415409.84	594.66	594.39	2.00	166.00	428.66	176.00	418.66	175.60
	OSMW-10D	OSMW-10D		T	455020.11	1417400.16	555.82	558.61	2.00	130.00	425.82	140.00	415.82	142.63
	OSMW-11D				455459.26	1418006.71	552.04	551.72	2.00	81.00	471.04	91.00	461.04	90.30
	OSMW-11DD				455459.02	1418006.62	552.04	551.68	2.00	140.00	412.04	150.00	402.04	149.83
	OSMW-12D				455880.20	1418333.14	553.66	553.29	2.00	123.00	430.66	133.00	420.66	133.76
	OSMW-12DD				455880.36	1418333.21	553.66	553.18	2.00	141.00	412.66	151.00	402.66	149.20
	OSMW-13D				455241.33	1417853.92	552.03	551.82	2.00	96.00	456.03	106.00	446.03	103.65
	OSMW-13DD				455241.62	1417854.06	552.03	551.70	2.00	142.00	410.03	152.00	400.03	151.84
	OW-3D				455360.77	1417112.74	557.72	557.43	2.00	135.00	422.72	140.00	417.72	140 ⁴
	OW-4D				455422.91	1417165.94	559.68	559.41	2.00	135.00	424.68	140.00	419.68	140 ⁴
	PMW-2D	PMW-2D			456024.30	1417902.40	560.05	562.47	2.00	125.00	435.05	135.00	425.05	139.70
	PMW-3D	PMW-3D		T	455249.80	1417471.07	557.41	560.04	2.00	126.00	431.41	136.00	421.41	139.75
	PMW-4D	PMW-4D			456424.32	1416617.44	564.33	567.25	2.00	130.00	434.33	140.00	424.33	142.51
	TMW-1D		TMW-1D		455740.26	1417702.92	559.78	562.02	2.00	94.30	465.48	104.30	455.48	106.45
	TMW-2D	TMW-2D	TMW-2D		455597.15	1416930.07	557.01	559.86	2.00	117.30	439.71	127.30	429.71	129.32

- Notes:
- 1) Quarterly Progress Monitoring in the Perched, USG, and LSG.
 - 2) Semiannual sampling occurs in the second and fourth quarters.
 - 3) T = Transducer; Blank = Manual.
 - 4) 'ft bTOC' = Feet Below Top of Casing; Total depths for the following wells GM-3P, OW-1P, AF-13S, AF-14S, GM-5D, OW-3D, OW-4D are measured from ground surface.
 - 5) 'ft bgs' = Feet Below Ground Surface.
 - 6) 'ft msl' = Feet Relative to Mean Sea Level.



Table 3 - Well Completion Data - Groundwater Quality Monitoring

Water-Bearing Zone	Well ID - VOC Sampling			Northing (feet)	Easting (feet)	Ground Surface Elev (ft msl)	TOC Elevation (ft msl)	Inner Casing Diameter (inches)	Well Screen				Total Depth (ft bTOC) ³
	Hydraulic Control Monitoring	Progress Monitoring ¹	Semiannual Monitoring ²						Top (ft bgs)	Top (ft msl)	Bottom (ft bgs)	Bottom (ft msl)	
Perched													
			AF-2P	456379.19	1418008.71	562.10	563.39	2.00	28.00	534.10	33.00	529.10	34.46
			AF-3P	456297.40	1417884.19	560.40	561.82	2.00	21.00	539.40	31.00	529.40	32.42
AF-4P	AF-4P		AF-5P	456180.93	1417877.42	560.40	561.90	2.00	24.50	535.90	34.50	525.90	36.21
AF-7P	AF-7P	AF-5P	AF-7P	455882.90	1417831.43	559.80	561.22	2.00	28.00	531.80	33.00	526.80	34.75
AF-13P	AF-13P	AF-7P	AF-13P	455478.24	1417577.30	559.80	561.21	2.00	31.50	528.30	36.50	523.30	37.43
			AF-24P	456494.02	1416526.13	565.40	566.82	2.00	35.37	530.03	45.37	520.03	32.45
AF-25P	AF-25P	AF-25P	AF-25P	456074.92	1417500.43	558.40	558.08	2.00	23.27	535.13	33.27	525.13	33.10
			AOC LDMW-1S	457924.00	1417429.00	556.20	555.81	2.00	13.29	542.91	23.29	532.91	22.90
			AOC PSTMW-1SR	459022.76	1417784.33	556.91		2.00					
			AOC PSTMW-2S	458993.37	1417998.15	559.90	559.70	2.00	18.50	541.40	28.50	531.40	24.50
			H-221	454547.97	1417264.66	554.70	554.37	2.00	20.00	534.70	30.00	524.70	28.65
	OSMW-1P	OSMW-1P	OSMW-1P	455078.23	1417736.02	551.50	554.09	2.00	20.00	531.50	30.00	521.50	32.53
			OSMW-2P	455601.82	1417822.50	554.80	557.01	2.00	27.00	527.80	37.00	517.80	38.87
			OSMW-10P	455020.27	1417400.34	555.82	558.57	2.00	20.00	535.82	30.00	525.82	32.57
			OSMW-11P	455459.30	1418006.45	552.04	551.71	2.00	13.00	539.04	23.00	529.04	22.93
			OSMW-12P	455880.25	1418332.91	553.66	553.35	2.00	14.70	538.96	24.70	528.96	24.63
			OSMW-13P	455241.47	1417854.22	552.03	551.75	2.00	22.00	530.03	32.00	520.03	32.45
PMW-3P	PMW-3P	PMW-3P	PMW-3P	455249.65	1417470.90	557.41	560.10	2.00	16.00	541.41	26.00	531.41	29.07
TMW-1P	TMW-1P	TMW-1P	TMW-1P	455737.69	1417702.75	559.77	562.12	2.00	22.00	537.77	32.00	527.77	33.84

Notes: 1) Quarterly Progress Monitoring in the Perched, USG, and LSG.

2) Semiannual sampling occurs in the second and fourth quarters.

3) 'ft bTOC' = Feet Below Top of Casing; Total depth for AF-13S is measured from ground surface.

4) 'ft bgs' = Feet Below Ground Surface.

5) 'ft msl' = Feet Relative to Mean Sea Level.



Table 3 - Well Completion Data - Groundwater Quality Monitoring

Water-Bearing Zone	Well ID - VOC Sampling			Northing (feet)	Easting (feet)	Ground Surface Elev (ft msl)	TOC Elevation (ft msl)	Inner Casing Diameter (inches)	Well Screen				Total Depth (ft bTOC) ³
	Hydraulic Control Monitoring	Progress Monitoring ¹	Semiannual Monitoring ²						Top (ft bgs)	Top (ft msl)	Bottom (ft bgs)	Bottom (ft msl)	
USG													
	AF-4S	AF-4S		456183.67	1417879.81	560.30	562.22	2.00	43.00	517.30	53.00	507.30	54.03
		AF-5S	AF-5S	455887.32	1417833.15	559.60	561.60	2.00	41.00	518.60	51.00	508.60	51.92
	AF-6S	AF-6S		456056.4	1417402.71	560.10	562.67	2.00	41.00	519.10	51.00	509.10	52.80
	AF-7S	AF-7S	AF-7S	455482.27	1417577.68	559.70	562.02	2.00	45.00	514.70	55.00	504.70	56.68
	AF-9S	AF-9S	AF-9S	455790.53	1416793.04	562.00	564.19	2.00	50.00	512.00	60.00	502.00	61.75
	AF-11S	AF-11S		456094.23	1416577.99	564.70	565.20	2.00	53.00	511.70	63.00	501.70	63.27
	AF-13S	AF-13S		456488.94	1416522.95	565.20	567.91	2.00	45.60	519.60	55.60	509.60	55.6 ³
	AF-19S	AF-19S		455823.23	1417037.78	561.60	563.87	2.00	52.40	509.20	62.40	499.20	64.65
	OSMW-1S	OSMW-1S	OSMW-1S	455082.59	1417738.59	551.50	554.14	2.00	41.00	510.50	51.00	500.50	52.84
	OSMW-3S	OSMW-3S	OSMW-3S	455309.01	1417107.64	557.10	559.91	2.00	54.00	503.10	64.00	493.10	66.60
	OSMW-4S	OSMW-4S	OSMW-4S	456144.10	1416386.57	565.50	565.10	2.00	65.00	500.50	75.00	490.50	75.84
		OSMW-5S		453589.27	1416137.49	576.70	576.44	2.00	63.80	512.90	73.80	502.90	73.54
		OSMW-6S		455149.40	1416267.11	586.61	586.38	2.00	80.00	506.61	90.00	496.61	88.78
		OSMW-8S		454625.51	1415147.34	584.64	584.33	2.00	77.41	507.23	87.41	497.23	86.70
		OSMW-9S		455705.63	1415409.73	594.66	594.37	2.00	88.80	505.86	98.80	495.86	101.30
		OSMW-10S		455019.93	1417400.39	555.82	558.59	2.00	47.20	508.62	57.20	498.62	58.20
		OSMW-11S		455459.42	1418006.57	552.04	551.64	2.00	37.25	514.79	47.25	504.79	47.20
	PMW-3S	PMW-3S		455249.82	1417470.89	557.41	560.12	2.00	44.80	512.61	54.80	502.61	57.40
	TMW-1S	TMW-1S	TMW-1S	455739.88	1417703.19	559.78	561.63	2.00	48.30	511.48	58.30	501.48	59.75
	TMW-2S	TMW-2S	TMW-2S	455597.25	1416929.92	557.01	560.15	2.00	40.00	517.01	50.00	507.01	53.08

Notes: 1) Quarterly Progress Monitoring in the Perched, USG, and LSG.

2) Semiannual sampling occurs in the second and fourth quarters.

3) 'ft bTOC' = Feet Below Top of Casing; Total depth for AF-13S is measured from ground surface.

4) 'ft bgs' = Feet Below Ground Surface.

5) 'ft msl' = Feet Relative to Mean Sea Level.



Table 3 - Well Completion Data - Groundwater Quality Monitoring

Water-Bearing Zone	Well ID - VOC Sampling			Northing (feet)	Easting (feet)	Ground Surface Elev (ft msl)	TOC Elevation (ft msl)	Inner Casing Diameter (inches)	Well Screen				Total Depth (ft bTOC) ³	
	Hydraulic Control Monitoring	Progress Monitoring ¹	Semiannual Monitoring ²						Top (ft bgs)	Top (ft msl)	Bottom (ft bgs)	Bottom (ft msl)		
LSG														
			AF-5D	455889.87	1417834.37	559.50	561.66	2.00	100.00	459.50	110.00	449.50	108.10	
	AF-7D	AF-7D	AF-7D	455489.28	1417578.92	559.70	561.23	4.00	109.00	450.70	119.00	440.70	118.77	
	AF-9D			455794.33	1416786.95	562.20	563.93	4.00	78.00	484.20	88.00	474.20	93.30	
	AF-11D	AF-11D		456087.97	1416583.70	564.90	566.27	4.00	92.00	472.90	102.00	462.90	101.79	
	AF-19D	AF-19D		455818.36	1417039.55	561.70	564.10	2.00	81.20	480.50	91.20	470.50	93.40	
			AF-21D	455941.03	1416777.12	560.00	559.61	2.00	80.00	480.00	90.00	470.00	90.11	
	OSMW-1D	OSMW-1D	OSMW-1D	455082.67	1417738.40	551.10	554.16	2.00	80.00	471.10	90.00	461.10	92.75	
	OSMW-3D	OSMW-3D	OSMW-3D	455309.10	1417107.28	557.10	559.91	2.00	131.00	426.10	141.00	416.10	143.31	
	OSMW-4D	OSMW-4D	OSMW-4D	456143.93	1416386.96	565.50	565.14	2.00	127.00	438.50	137.00	428.50	135.94	
			OSMW-5D	452875.51	1416398.42	560.53	560.25	2.00	121.00	439.53	131.00	429.53	130.72	
			OSMW-6D	455147.40	1416265.11	586.38	586.08	2.00	149.77	436.61	159.77	426.61	162.20	
			OSMW-7D	456711.82	1415686.05	592.44	592.09	2.00	141.00	451.44	151.00	441.44	148.80	
			OSMW-8D	454625.45	1415147.03	584.64	584.34	2.00	175.30	409.34	185.30	399.34	187.20	
	OSMW-9D	OSMW-9D		455705.86	1415409.84	594.66	594.39	2.00	166.00	428.66	176.00	418.66	175.60	
	OSMW-10D	OSMW-10D		455020.11	1417400.16	555.82	558.61	2.00	130.00	425.82	140.00	415.82	142.63	
			OSMW-11D		455459.26	1418006.71	552.04	551.72	2.00	81.00	471.04	91.00	461.04	90.30
			PMW-2D		456024.30	1417902.40	560.05	562.47	2.00	125.00	435.05	135.00	425.05	139.70
	PMW-3D	PMW-3D			455249.80	1417471.07	557.41	560.04	2.00	126.00	431.41	136.00	421.41	139.75
	PMW-4D	PMW-4D			456424.32	1416617.44	564.33	567.25	2.00	130.00	434.33	140.00	424.33	142.51
			TMW-1D	TMW-1D	455740.26	1417702.92	559.78	562.02	2.00	94.30	465.48	104.30	455.48	106.45
	TMW-2D	TMW-2D	TMW-2D	455597.15	1416930.07	557.01	559.86	2.00	117.30	439.71	127.30	429.71	129.32	

Notes: 1) Quarterly Progress Monitoring in the Perched, USG, and LSG.

2) Semiannual sampling occurs in the second and fourth quarters.

3) 'ft bTOC' = Feet Below Top of Casing; Total depth for AF-13S is measured from ground surface.

4) 'ft bgs' = Feet Below Ground Surface.

5) 'ft msl' = Feet Relative to Mean Sea Level.



Table 4 - Summary of Groundwater Sampling Results (4Q-16) - Detected Parameters Only

Location Sample Date		AF-11D 12/7/2016	AF-11S 12/5/2016	AF-13P 12/5/2016	AF-13S 12/5/2016	AF-19D 12/7/2016	AF-19S 12/5/2016	AF-21D 12/8/2016	AF-24P 12/6/2016	AF-25P 12/6/2016	AF-2P 12/6/2016
FIELD PARAMETERS units											
pH	S.U.	8.08	7.59	6.81	10.96	7.43	7.66	7.74	7.60	7.76	7.74
Conductivity (mS/cm)	mS/cm	0.534	0.950	0.712	0.300	1.057	1.070	0.521	3.584	3.014	0.970
DO (mg/L)	mg/L	0.70	0.55	0.36	3.47	1.04	0.55	0.89	0.81	0.59	1.31
Temperature (oC)	Deg C	15.48	15.59	18.86	15.73	15.83	15.76	15.42	17.78	18.16	15.90
ORP (mV)	mV	-222.5	-154.0	-109.9	-85.5	-181.6	-180.4	-183.8	-82.6	-122.2	34.1
DETECTABLE VOCs units											
1,1,1-Trichloroethane	ug/l	< 1.0	< 1	< 1	< 1	< 1.0	< 1	< 1.0	350	150	2.7
1,1,2-Trichloroethane	ug/l	< 1.0	< 1	< 1	< 1	< 1.0	< 1	< 1.0	0.41 J	< 10	< 1.0
1,1-Dichloroethane	ug/l	< 1.0	< 1	< 1	< 1	< 1.0	< 1	< 1.0	52	44	7.3
1,1-Dichloroethylene	ug/l	< 1.0	< 1	< 1	< 1	< 1.0	< 1	< 1.0	33	14	< 1.0
2-Butanone (Methyl Ethyl Ketone)	ug/l	< 10	< 10	< 10	< 10	< 10	2.9 J	< 10	< 10	< 100 UJ	< 10 UJ
Acetone	ug/l	3.8 J	3.2 J	< 10	< 10	13	23	< 10	3.6 J	< 100 UJ	5.2 J
Benzene	ug/l	< 1.0	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 10	< 1.0
Chloroethane	ug/l	< 1.0	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	12	< 1.0
Chloroform (Trichloromethane)	ug/l	< 1.0	< 1	< 1	< 1	< 1.0	< 1	< 1.0	4	< 10	< 1.0
cis-1,2-Dichloroethylene	ug/l	1.1	< 1	< 1	13	< 1.0	0.82 J	1.3	48	8.1 J	< 1.0
Methylene chloride	ug/l	< 1.0	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 10 U	< 1.0
Tetrachloroethylene	ug/l	< 1.0	< 1	< 1	< 1	< 1.0	< 1	< 1.0	9.2	4.3 J	< 1.0
Toluene	ug/l	< 1.0	< 1	< 1	< 1	< 1.0	< 1	< 1.0	< 1.0	< 10	< 1.0
trans-1,2-Dichloroethylene	ug/l	< 1.0	< 1	< 1	< 1	< 1.0	< 1	< 1.0	41	< 10	< 1.0
Trichloroethylene	ug/l	< 1.0	< 1	< 1	< 1	< 1.0	< 1	< 1.0	500	220	33
Vinyl chloride	ug/l	< 1.0	2.6	< 1	0.98 J	< 1.0	14	< 1.0	8.1	< 10	< 1.0

Notes:

1) J = Estimated

2) F1 = MS and/or MSD Recovery is outside acceptance limits.

3) See Table 3 for listing of semiannual wells



Table 4 - Summary of Groundwater Sampling Results (4Q-16) - Detected Parameters Only

Location Sample Date		AF-3P 12/6/2016	AF-4P 12/5/2016	AF-4S 12/5/2016	AF-5D 12/8/2016	AF-5P 12/6/2016	AF-5S 12/6/2016	AF-6S 12/5/2016	AF-7D 12/8/2016	AF-7P 12/8/2016	AF-7S 12/8/2016
FIELD PARAMETERS		units									
pH	S.U.	7.61	7.36	7.67	7.52	7.73	7.95	7.57	7.47	7.40	7.45
Conductivity (mS/cm)	mS/cm	1.005	1.286	1.366	0.717	1.025	1.101	1.197	0.803	0.966	0.752
DO (mg/L)	mg/L	1.28	0.47	0.32	1.05	1.29	0.97	0.43	0.75	1.24	0.96
Temperature (oC)	Deg C	15.91	15.87	14.93	14.05	16.22	15.22	17.64	14.02	17.76	17.14
ORP (mV)	mV	38.9	154.5	-128.9	-169.5	50.0	-159.4	-162.2	-128.3	-117.9	-151.3
DETECTABLE VOCs		units									
1,1,1-Trichloroethane	ug/l	14	38	12	< 1.0	26	< 1.0	< 1	< 1.0	< 1.0	< 10
1,1,2-Trichloroethane	ug/l	< 1.0	< 1	< 1	< 1.0	< 2.0	< 1.0	< 1	< 1.0	< 1.0	< 10
1,1-Dichloroethane	ug/l	0.83 J	6.1	7	< 1.0	2.3	4.2	< 1	< 1.0	< 1.0	< 10
1,1-Dichloroethylene	ug/l	< 1.0	0.88 J	3.1	< 1.0	0.89 J	< 1.0	< 1	< 1.0	< 1.0	< 10
2-Butanone (Methyl Ethyl Ketone)	ug/l	< 10 UJ	< 10	< 10	< 10	< 20	< 10 UJ	< 10	< 10	< 10	< 100
Acetone	ug/l	3.9 J	< 10	< 10	< 10	< 20 UJ	< 10 UJ	3.4 J	< 4.8 U	< 4.1 U	< 100
Benzene	ug/l	< 1.0	< 1	< 1	< 1.0	< 2.0	< 1.0	< 1	< 1.0	< 1.0	< 10
Chloroethane	ug/l	< 1.0	< 1	< 1	< 1.0	< 2.0	< 1.0	< 1	< 1.0	< 1.0	< 10
Chloroform (Trichloromethane)	ug/l	< 1.0	0.64 J	< 1	< 1.0	< 2.0	< 1.0	< 1	< 1.0	< 1.0	< 10
cis-1,2-Dichloroethene	ug/l	1	5.8	72	< 1.0	3.8	6.6	< 1	< 1.0	2.6	310
Methylene chloride	ug/l	< 1.0	< 1	< 1	< 1.0	2.4	< 1.0	< 1	< 1.0	< 1.0	< 10
Tetrachloroethene	ug/l	9.9	9.9	< 1	< 1.0	< 2.0	< 1.0	< 1	< 1.0	< 1.0	< 10
Toluene	ug/l	< 1.0	< 1	< 1	< 1.0	< 2.0	< 1.0	< 1	< 1.0	< 1.0	< 10
trans-1,2-Dichloroethene	ug/l	< 1.0	< 1	3.5	< 1.0	< 2.0	< 1.0	< 1	< 1.0	< 1.0	< 10
Trichloroethylene	ug/l	52	97	14	< 1.0	95	< 1.0	< 1	< 1.0	< 1.0	< 10
Vinyl chloride	ug/l	< 1.0	< 1	1.5	< 1.0	< 2.0	31	< 1	< 1.0	< 1.0	550

Notes:

1) J = Estimated

2) F1 = MS and/or MSD Recovery is outside acceptance limits.

3) See Table 3 for listing of semiannual wells



Table 4 - Summary of Groundwater Sampling Results (4Q-16) - Detected Parameters Only

Location Sample Date	AF-9S 12/7/2016	AOC LDMW-1S 12/6/2016	AOC PSTMW-1SR 12/6/2016	AOC PSTMW-2S 12/6/2016	H-221 12/7/2016	OSMW-10D 12/7/2016	OSMW-10P 12/5/2016	OSMW-10S 12/5/2016	OSMW-11D 12/7/2016	OSMW-11P 12/6/2016		
FIELD PARAMETERS	units											
pH	S.U.	8.31	7.66	7.27	7.39	7.58	7.27	7.30	7.39	7.27	7.51	
Conductivity (mS/cm)	mS/cm	0.822	2.228	3.970	2.940	1.169	1.500	1.650	1.058	1.077	1.288	
DO (mg/L)	mg/L	0.71	0.91	1.47	1.19	0.99	1.36	0.96	0.32	0.76	0.81	
Temperature (oC)	Deg C	15.28	19.47	16.33	17.09	16.44	14.70	1.7.36	16.59	14.29	16.85	
ORP (mV)	mV	-139.9	30.6	24.0	29.2	-68.7	-116.3	-66.4	-65.8	-105.0	-110.9	
DETECTABLE VOCs	units											
1,1,1-Trichloroethane	ug/l	< 1.0	170	< 1.0	11	15	< 1.0	1.6	1.7	0.92 J	< 1.0	
1,1,2-Trichloroethane	ug/l	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	
1,1-Dichloroethane	ug/l	< 1.0	130	< 1.0	< 1.0	9	< 1.0	8.5	1.9	20	0.71 J	
1,1-Dichloroethene	ug/l	< 1.0	47	< 1.0	0.96 J	< 1.0	< 1.0	< 1	< 1	2.1	< 1.0	
2-Butanone (Methyl Ethyl Ketone)	ug/l	< 10	< 50 UJ	< 10 UJ	< 10	< 10	< 10	< 10	2.8 J	< 10	< 10	
Acetone	ug/l	< 10	< 50 UJ	4.1 J	< 10	< 10	4.7 J	< 10	22	4.2 J	< 10	
Benzene	ug/l	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	
Chloroethane	ug/l	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	0.48 J	< 1	< 1.0	< 1.0	
Chloroform (Trichloromethane)	ug/l	< 1.0	3.1 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	
cis-1,2-Dichloroethene	ug/l	< 1.0	< 5.0	< 1.0	< 1.0	3.5	< 1.0	39	8.7	130	0.9 J	
Methylene chloride	ug/l	< 1.0	< 5.0 U	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	
Tetrachloroethene	ug/l	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	
Toluene	ug/l	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1.0	< 1.0	
trans-1,2-Dichloroethene	ug/l	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	3.2	< 1.0	
Trichloroethene	ug/l	< 1.0	190	< 1.0	1.4	49	< 1.0	7.5	10	21	< 1.0	
Vinyl chloride	ug/l	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	1.8	6.2	< 1	3.9	< 1.0

Notes:

1) J = Estimated

2) F1 = MS and/or MSD Recovery is outside acceptance limits.

3) See Table 3 for listing of semiannual wells



Table 4 - Summary of Groundwater Sampling Results (4Q-16) - Detected Parameters Only

Location Sample Date		OSMW-11S 12/6/2016	OSMW-12P 12/6/2016	OSMW-13P 12/6/2016	OSMW-1D 12/8/2016	OSMW-1P 12/7/2016	OSMW-1S 12/7/2016	OSMW-2P 12/7/2016	OSMW-3D 12/8/2016	OSMW-3S 12/8/2016	OSMW-4D 12/8/2016
FIELD PARAMETERS units											
pH	S.U.	7.54	7.45	7.34	7.48	7.15	7.46	6.78	7.26	7.10	7.24
Conductivity (mS/cm)	mS/cm	1.600	0.891	1.497	0.797	1.580	1.265	1.168	0.813	0.767	0.758
DO (mg/L)	mg/L	0.67	3.43	0.50	1.25	0.92	0.46	0.69	1.44	0.99	0.51
Temperature (oC)	Deg C	14.34	14.86	15.33	14.22	15.51	14.58	14.65	14.67	16.13	15.39
ORP (mV)	mV	-76.8	90.3	-33.7	-156.1	-5.6	-169.7	-132.8	-153.5	-133.9	-132.3
DETECTABLE VOCs units											
1,1,1-Trichloroethane	ug/l	< 4.0	2.6	< 1.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	ug/l	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	ug/l	17	2.1	2.8	1.6	2.5	< 20	6.7	< 1.0	< 1.0	0.6 J
1,1-Dichloroethylene	ug/l	1.6 J	< 1.0	< 1.0	< 1.0	< 1.0	< 20	< 1.0	0.65 J	< 1.0	< 1.0
2-Butanone (Methyl Ethyl Ketone)	ug/l	< 40	< 10	1.9 J	< 10	< 10	< 200	< 10	< 10	< 10	< 10
Acetone	ug/l	22 J	3.5 J	24	< 10	19	< 200	< 10	24	15	< 4.4 U
Benzene	ug/l	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 20	< 1.0	1.1	< 1.0	< 1.0
Chloroethane	ug/l	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform (Trichloromethane)	ug/l	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethylene	ug/l	140	< 1.0	< 1.0	5	< 1.0	440	19	230	< 1.0	< 1.0
Methylene chloride	ug/l	3 J	< 1.0	< 1.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethylene	ug/l	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	ug/l	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 20	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethylene	ug/l	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 20	< 1.0	30	< 1.0	< 1.0
Trichloroethylene	ug/l	24	3.1	< 1.0	< 1.0	< 1.0	< 20	0.49 J	390	< 1.0	< 1.0
Vinyl chloride	ug/l	< 4.0	< 1.0	< 1.0	26	< 1.0	530	20	2.9	2.2	2.5

Notes:

1) J = Estimated

2) F1 = MS and/or MSD Recovery is outside acceptance limits.

3) See Table 3 for listing of semiannual wells



Table 4 - Summary of Groundwater Sampling Results (4Q-16) - Detected Parameters Only

Location Sample Date		OSMW-4S 12/8/2016	OSMW-5D 12/7/2016	OSMW-5S 12/7/2016	OSMW-6D 12/8/2016	OSMW-6S 12/8/2016	OSMW-7D 12/8/2016	OSMW-8D 12/8/2016	OSMW-8S 12/28/2016	OSMW-9D 12/7/2016	OSMW-9SR 12/7/2016
FIELD PARAMETERS units											
pH	S.U.	7.42	7.25	7.24	7.81	7.62	7.92	7.53	12.40	7.80	7.25
Conductivity (mS/cm)	mS/cm	0.647	0.952	0.918	0.648	0.682	0.190	0.670	1.272	0.106	0.901
DO (mg/L)	mg/L	0.83	0.90	0.97	0.67	0.84	0.88	0.59	2.99	0.99	0.95
Temperature (oC)	Deg C	16.12	14.74	15.35	15.57	16.58	14.89	15.25	15.87	16.11	15.95
ORP (mV)	mV	-154.0	-122.0	-135.7	-164.2	-154.2	-129.7	-144.3	-406.2	-179.2	-157.0
DETECTABLE VOCs units											
1,1,1-Trichloroethane	ug/l	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	ug/l	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	ug/l	< 1.0	< 5.0	2.8	4.2	1.4	< 1.0	1.3	3.2	< 1.0	< 1.0
1,1-Dichloroethylene	ug/l	< 1.0	< 5.0	< 1.0	< 1.0	1.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone (Methyl Ethyl Ketone)	ug/l	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	ug/l	< 10	< 50	3.2 J	<4.0 U	< 10	<3.4 U	< 10	< 10	3.9 J	3.9 J
Benzene	ug/l	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	ug/l	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform (Trichloromethane)	ug/l	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	ug/l	< 1.0	300	15	18	18	< 1.0	30	2.9	< 1.0	5.7
Methylene chloride	ug/l	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	ug/l	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	ug/l	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.5	< 1.0	< 1.0
trans-1,2-Dichloroethene	ug/l	< 1.0	9	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethylene	ug/l	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	ug/l	< 1.0	28	9.5	200	7.2	9	64	< 1.0 UJ	15	16

Notes:

1) J = Estimated

2) F1 = MS and/or MSD Recovery is outside acceptance limits.

3) See Table 3 for listing of semiannual wells



Table 4 - Summary of Groundwater Sampling Results (4Q-16) - Detected Parameters Only

Location Sample Date		PMW-2D 12/7/2016	PMW-3D 12/7/2016	PMW-3P 12/5/2016	PMW-3S 12/5/2016	PMW-4D 12/7/2016	TMW-1D 12/8/2016	TMW-1P 12/5/2016	TMW-1S 12/7/2016	TMW-2D 12/8/2016	TMW-2S 12/7/2016
FIELD PARAMETERS units											
pH	S.U.	7.27	7.59	6.91	7.51	7.60	7.42	7.40	8.02	7.49	8.19
Conductivity (mS/cm)	mS/cm	1.238	1.029	1.147	0.928	0.830	0.727	3.352	1.905	0.852	0.917
DO (mg/L)	mg/L	1.45	1.69	1.21	0.40	0.96	0.96	0.8+9	0.74	0.85	0.88
Temperature (oC)	Deg C	13.91	14.47	17.33	16.76	15.22	14.49	17.69	15.64	14.78	15.31
ORP (mV)	mV	-125.3	-137.4	-57.8	-107.4	-181.3	-177.5	32.4	-160.6	-151.6	-167.7
DETECTABLE VOCs units											
1,1,1-Trichloroethane	ug/l	< 1.0	< 1.0	< 4	4	< 1.0	< 1.0	110	< 1.0	< 10	< 1.0
1,1,2-Trichloroethane	ug/l	< 1.0	< 1.0	< 4	< 1	< 1.0	< 1.0	< 4	< 1.0	< 10	< 1.0
1,1-Dichloroethane	ug/l	< 1.0	3.3	24	4.2	< 1.0	< 1.0	43	< 1.0	< 10	< 1.0
1,1-Dichloroethene	ug/l	< 1.0	< 1.0	< 4	< 1	< 1.0	< 1.0	13	< 1.0	< 10	< 1.0
2-Butanone (Methyl Ethyl Ketone)	ug/l	< 10	< 10	< 40	< 10	< 10	< 10	< 40	< 10	< 100	< 10
Acetone	ug/l	21	4.4 J	< 40	< 10	4.8 J	21	< 40	< 10	< 100	< 10
Benzene	ug/l	< 1.0	< 1.0	< 4	< 1	< 1.0	< 1.0	< 4	< 1.0	< 10	< 1.0
Chloroethane	ug/l	< 1.0	< 1.0	< 4	< 1	< 1.0	< 1.0	< 4	< 1.0	< 10	< 1.0
Chloroform (Trichloromethane)	ug/l	< 1.0	< 1.0	< 4	< 1	< 1.0	< 1.0	1.5 J	< 1.0	< 10	< 1.0
cis-1,2-Dichloroethene	ug/l	< 1.0	2.2	130	20	< 1.0	< 1.0	38	13	570	< 1.0
Methylene chloride	ug/l	< 1.0	< 1.0	< 4	< 1	< 1.0	< 1.0	2 J	< 1.0	< 10	< 1.0
Tetrachloroethene	ug/l	< 1.0	< 1.0	< 4	< 1	< 1.0	< 1.0	< 4	< 1.0	< 10	< 1.0
Toluene	ug/l	< 1.0	< 1.0	< 4	< 1	< 1.0	< 1.0	< 4	< 1.0	< 10	< 1.0
trans-1,2-Dichloroethene	ug/l	< 1.0	< 1.0	< 4	< 1	< 1.0	< 1.0	< 4	< 1.0	160	< 1.0
Trichloroethene	ug/l	< 1.0	< 1.0	< 4	12	< 1.0	< 1.0	150 F1	< 1.0	< 10	< 1.0
Vinyl chloride	ug/l	< 1.0	7.1	26	5.4	3.6	< 1.0	20	40	33	< 1.0

Notes:

1) J = Estimated

2) F1 = MS and/or MSD Recovery is outside acceptance limits.

3) See Table 3 for listing of semiannual wells



GE Aviation - Groundwater Monitoring Report

Table 5 - Summary of Groundwater Chemical Cross-Contamination Analyses

12/5/2016						
Well ID	TCA_grp UTL Value (μmol/L)	TCE_grp UTL Value (μmol/L)	TCA Group Values (μmol/L)	TCE Group Values (μmol/L)	TCA Group Comparison	TCE Group Comparison
AF-11D	0.0092	2.3875	0.0000	0.0113	ACCEPT	ACCEPT
AF-11P	0.0359	0.0359	No Sample	No Sample	No Sample	No Sample
AF-11S	0.0842	3.1943	0.0000	0.0416	ACCEPT	ACCEPT
AF-13P	0.0359	0.0359	0.0000	0.0000	ACCEPT	ACCEPT
AF-13S	0.0359	0.0359	0.0000	0.1498	ACCEPT	REJECT ²
AF-19D	0.0359	0.0359	0.0000	0.0000	ACCEPT	ACCEPT
AF-19S	0.0359	0.0359	0.0000	0.2325	ACCEPT	REJECT ²
AF-21D	0.0070	0.5265	0.0000	0.0134	ACCEPT	ACCEPT
AF-24P	18.0821	9.9566	3.4895	4.8921	ACCEPT	ACCEPT
AF-25P	12.3782	11.3839	1.8995	1.7767	ACCEPT	ACCEPT
AF-2P	0.1073	0.5533	0.0940	0.2501	ACCEPT	ACCEPT
AF-3P	0.9429	1.6063	0.1133	0.4641	ACCEPT	ACCEPT
AF-4P	2.0047	3.6624	0.3556	0.8546	ACCEPT	ACCEPT
AF-4S	1.1853	5.9427	0.1927	0.9088	ACCEPT	ACCEPT
AF-5D	0.0155	0.0044	0.0000	0.0000	ACCEPT	ACCEPT
AF-5P	1.3739	4.5782	0.2273	0.7591	ACCEPT	ACCEPT
AF-5S	2.5715	9.0739	0.0424	0.5641	ACCEPT	ACCEPT
AF-6S	0.0359	0.0359	0.0000	0.0000	ACCEPT	ACCEPT
AF-7D	0.0240	0.0261	0.0000	0.0000	ACCEPT	ACCEPT
AF-7P	10.8813	9.7516	0.0000	0.0268	ACCEPT	ACCEPT
AF-7S	0.7677	31.8240	0.0000	11.9978	ACCEPT	ACCEPT
AF-9S	0.0694	0.7894	0.0000	0.0000	ACCEPT	ACCEPT
AOC LDMW-1S	66.8780	21.1752	3.0728	1.4398	ACCEPT	ACCEPT
AOC PSTMW-2S	0.6589	0.2892	0.0924	0.0106	ACCEPT	ACCEPT
H-221	0.7940	1.0121	0.2034	0.4074	ACCEPT	ACCEPT
OSMW-10D	0.1633	0.1269	0.0000	0.0288	ACCEPT	ACCEPT
OSMW-10P	3.9915	2.7868	0.1053	0.5583	ACCEPT	ACCEPT
OSMW-10S	3.5411	1.2163	0.0319	0.1655	ACCEPT	ACCEPT
OSMW-11D	0.7604	8.2552	0.2307	1.5954	ACCEPT	ACCEPT
OSMW-11P	0.0232	0.0066	0.0072	0.0093	ACCEPT	REJECT ²
OSMW-11S	1.0371	11.9864	0.1883	1.6259	ACCEPT	ACCEPT
OSMW-12P	0.0529	0.0352	0.0407	0.0235	ACCEPT	ACCEPT
OSMW-13P	0.0510	0.0688	0.0283	0.0000	ACCEPT	ACCEPT
OSMW-1D	1.0602	23.5751	0.0162	0.4676	ACCEPT	ACCEPT
OSMW-1P	0.0386	0.0383	0.0253	0.0000	ACCEPT	ACCEPT
OSMW-1S	1.8189	54.1122	0.0000	13.0187	ACCEPT	ACCEPT
OSMW-2P	0.1552	0.8655	0.0677	0.5197	ACCEPT	ACCEPT
OSMW-3D	0.0969	13.9650	0.0067	5.6836	ACCEPT	ACCEPT
OSMW-3S	0.0952	0.8117	0.0000	0.0352	ACCEPT	ACCEPT
OSMW-4D	0.1902	1.2387	0.0061	0.0400	ACCEPT	ACCEPT
OSMW-4S	0.1184	7.8398	0.0000	0.0000	ACCEPT	ACCEPT
OSMW-5D	0.0225	4.0331	0.0000	3.6352	ACCEPT	ACCEPT
OSMW-5S	0.0186	0.1804	0.0283	0.3170	REJECT ²	REJECT
OSMW-6D	0.8025	3.8001	0.0424	3.3858	ACCEPT	ACCEPT
OSMW-6S	1.1900	2.0246	0.0327	0.3009	ACCEPT	ACCEPT
OSMW-7D	0.0359	0.1744	0.0000	0.1440	ACCEPT	ACCEPT
OSMW-8D	0.0034	0.6823	0.0131	1.3335	REJECT ²	REJECT
OSMW-8S	0.0268	1.3407	0.0323	0.0299	REJECT ²	ACCEPT
OSMW-9D	0.0359	0.4657	0.0000	0.2400	ACCEPT	ACCEPT
OSMW-9S	0.0327	6.9411	0.0000	0.3148	ACCEPT	ACCEPT
PMW-2D	0.0021	0.0359	0.0000	0.0000	ACCEPT	ACCEPT
PMW-3D	3.1451	2.5338	0.0333	0.1363	ACCEPT	ACCEPT
PMW-3P	2.5478	4.0693	0.2425	1.7569	ACCEPT	ACCEPT
PMW-3S	2.3156	2.3051	0.0724	0.3836	ACCEPT	ACCEPT
PMW-4D	0.0359	0.1228	0.0000	0.0576	ACCEPT	ACCEPT
TMW-1D	0.0359	0.0093	0.0000	0.0000	ACCEPT	ACCEPT
TMW-1P	3.1442	5.8024	1.3932	1.8487	ACCEPT	ACCEPT
TMW-1S	0.2465	10.5703	0.0000	0.7741	ACCEPT	ACCEPT
TMW-2D	0.0454	9.8486	0.0000	8.0577	ACCEPT	ACCEPT
TMW-2S	0.0039	0.0254	0.0000	0.0000	ACCEPT	ACCEPT

Footnotes: ACCEPT - current concentrations are below baseline UTL value (not indicative of cross-contamination)

REJECT - current concentrations are above baseline UTL value (evaluate the potential for cross-contamination, except as noted below)

1. The methodology for calculating the upper tolerance limit (UTL) is included in the Performance Monitoring Plan.

2. The intrawell analysis for AF-13S (TCE Group), AF-19S (TCE Group), OSMW-5S (TCA Group), OSMW-8D (TCA Group), and OSMW-11P (TCE Group) were triggered because the analysis compared the TCA and TCE Group values to UTL values that were developed from non-detectable or low detections of baseline concentrations. In cases where the UTL baseline is developed from non-detectable or low detections false positives can be triggered by a slight increase in CVOCs and are not an indication of vertical or lateral cross-contamination.

3. Impacts in OSMW-5S and OSMW-5D are not necessarily attributable to the site and may be attributable to other sources of impacts.



Table 6 - Statistical Summary of Vertical Gradient Analysis - Perched to USG

PERCHED -USG STATS.	AF-4	AF-7	GM-9
Is Slope Less than the Error?	YES	YES	#NUM!
Number of Data Points	8	8	8
Slope	0.000171937	7.04191E-06	-0.00034131
Intercept	-7.320807983	-0.29502688	14.6400835
Standard Error of Estimates	0.022334493	0.013879036	#NUM!
X Variable Coefficient	0.000171937	7.04191E-06	-0.00034131
P-Value	0.602952346	0.972320159	2.41487E-78
Trend Analysis	No Significant Trend	No Significant Trend	Significant Negative Trend
Magnitude	0.051485735	0.047395385	0.026280837
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring

Note:

A positive trend indicates an increased downward vertical gradient.

A negative trend indicates an increased upward vertical gradient.



Table 6 - Statistical Summary of Vertical Gradient Analysis - Perched to USG

PERCHED -USG STATS.	OSMW-1	OSMW-10
Is Slope Less than the Error?	YES	YES
Number of Data Points	8	8
Slope	-4.85715E-06	-0.000140873
Intercept	0.205410802	6.007975828
Standard Error of Estimates	0.020110646	0.015569317
X Variable Coefficient	-4.85715E-06	-0.000140873
P-Value	0.986821273	0.542772313
Trend Analysis	No Significant Trend	No Significant Trend
Magnitude	0.046624609	0.047405961
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring

Note:

A positive trend indicates an increased downward vertical gradient.

A negative trend indicates an increased upward vertical gradient.



Table 7 - Statistical Summary of Vertical Gradient Analysis - USG to LSG

PERCHED -USG STATS.	AF-7	AF-9	AF-11
Is Slope Less than the Error?	YES	YES	YES
Number of Data Points	8	8	8
Slope	-2.21384E-05	-5.64031E-05	2.17232E-05
Intercept	0.979599317	2.407081645	-0.927876718
Standard Error of Estimates	0.000603559	0.003052721	0.00149343
X Variable Coefficient	-2.21384E-05	-5.64031E-05	2.17232E-05
P-Value	0.039861392	0.235854896	0.339731724
Trend Analysis	Significant Negative Trend	No Significant Trend	No Significant Trend
Magnitude	0.002315566	0.009578555	0.004450653
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring

Note:

A positive trend indicates an increased downward vertical gradient.

A negative trend indicates an increased upward vertical gradient.



Table 7 - Statistical Summary of Vertical Gradient Analysis - USG to LSG

PERCHED -USG STATS.	AF-19	GM-9	OSMW-1
Is Slope Less than the Error?	YES	#NUM!	YES
Number of Data Points	8		8
Slope	-9.23266E-05	2.03932E-06	-7.61748E-05
Intercept	3.94187039	-0.041225019	3.290339442
Standard Error of Estimates	0.004873673	#NUM!	0.002195664
X Variable Coefficient	-9.23266E-05	2.03932E-06	-7.61748E-05
P-Value	0.225571523	5.77358E-66	0.048246648
Trend Analysis	No Significant Trend	Significant Positive Trend	Significant Negative Trend
Magnitude	0.014991973	0.000157028	0.008464518
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring

Note:

A positive trend indicates an increased downward vertical gradient.

A negative trend indicates an increased upward vertical gradient.



Table 7 - Statistical Summary of Vertical Gradient Analysis - USG to LSG

PERCHED -USG STATS.	OSMW-3	OSMW-10	PMW-3
Is Slope Less than the Error?	YES	YES	YES
Number of Data Points	8	8	8
Slope	-2.12398E-05	-1.28513E-05	-1.13626E-05
Intercept	0.915570335	0.570380207	0.510841277
Standard Error of Estimates	0.000242872	0.004425088	0.00051832
X Variable Coefficient	-2.12398E-05	-1.28513E-05	-1.13626E-05
P-Value	0.000788147	0.842830637	0.169134966
Trend Analysis	Significant Negative Trend	No Significant Trend	No Significant Trend
Magnitude	0.001906955	0.012476488	0.002043486
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring

Note:

A positive trend indicates an increased downward vertical gradient.

A negative trend indicates an increased upward vertical gradient.



Table 8 - Statistical Summary of Vertical Gradient Analysis - Perched to LSG

PERCHED -USG STATS.	AF-7	GM-9	OSMW-1
Is Slope Less than the Error?	YES	YES	YES
Number of Data Points	8	8	8
Slope	-1.62732E-05	-0.000100585	-5.21657E-05
Intercept	0.723401043	4.346915164	2.25179796
Standard Error of Estimates	0.002656995	5.82077E-11	0.005599302
X Variable Coefficient	-1.62732E-05	-0.000100585	-5.21657E-05
P-Value	0.677664406	6.498E-78	0.531270923
Trend Analysis	No Significant Trend	Significant Negative Trend	No Significant Trend
Magnitude	0.00906319	0.007745065	0.015572643
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring	Continue Monitoring	Continue Monitoring

Note:

A positive trend indicates an increased downward vertical gradient.

A negative trend indicates an increased upward vertical gradient.



Table 8 - Statistical Summary of Vertical Gradient Analysis - Perched to LSG

PERCHED -USG STATS.	OSMW-10
Is Slope Less than the Error?	YES
Number of Data Points	8
Slope	-4.45077E-05
Intercept	1.914949306
Standard Error of Estimates	0.006807308
X Variable Coefficient	-4.45077E-05
P-Value	0.657586539
Trend Analysis	No Significant Trend
Magnitude	0.018338259
Summary (0.5 ft change in water level during monitoring period)	Continue Monitoring
Summary (0.2 ft change in water level during monitoring period)	Continue Monitoring

Note:

A positive trend indicates an increased downward vertical gradient.

A negative trend indicates an increased upward vertical gradient.



Groundwater Level Statistics	AF-4P		AF-4S		AF-7P		AF-7S	
	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)
Does Well Satisfy Steady State Condition? ¹	YES	YES	YES	YES	YES	YES	YES	YES
Number of Data Points	8	8	8	8	8	8	8	8
Slope	0.000486934	0.000486934	-0.002711099	-0.002711099	-0.002230305	-0.002230305	-0.002343679	-0.002343679
Intercept	518.6414404	518.6414404	654.8084689	654.8084689	632.7871613	632.7871613	637.537094	637.537094
Standard Error of Estimates	0.112139811	0.392197477	0.124897624	0.030948003	0.42477388	0.213798067	0.103662735	0.061566124
X Variable Coefficient		0.000486934		-0.002711099		-0.002230305		-0.002343679
P-Value		0.93235313		0.000781067		0.485170103		0.034930437
Trend Analysis ²	No Significant Trend		Significant Negative Trend		No Significant Trend		Significant Negative Trend	
Magnitude		0.883691302		0.204508007		0.718416433		0.242967249
Summary ³	STABLE		Decreasing water levels		STABLE		Decreasing water levels	

Note:

¹Steady-state (stable) = slope less than error

²Significant trend identified by P<0.05 (95% confidence)

³Increasing/decreasing water levels if P<0.05 and

A positive trend indicates increasing groundwater elevations.

A negative trend indicates decreasing groundwater elevations.



Groundwater Level Statistics	AF-7D		AF-9S		AF-9D		AF-11S	
	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)
Does Well Satisfy Steady State Condition? ¹	YES	YES	YES	YES	YES	YES	YES	YES
Number of Data Points	8	8	8	8	8	8	8	8
Slope	-0.000926823	-0.000926823	-0.001562928	-0.001562928	5.07866E-06	5.07866E-06	-0.000750762	-0.000750762
Intercept	574.8427378	574.8427378	601.7733588	601.7733588	534.856489	534.856489	567.0783184	567.0783184
Standard Error of Estimates	0.085477581	0.023950231	0.077997719	0.10052027	0.087409713	0.01924768	0.089810222	0.089017553
X Variable Coefficient		-0.000926823		-0.001562928		5.07866E-06		-0.000750762
P-Value		0.032910537		0.310124765		0.985602602		0.56968603
Trend Analysis ²	Significant Negative Trend		No Significant Trend		No Significant Trend		No Significant Trend	
Magnitude		0.094771		0.307488981		0.051586151		0.255054903
Summary ³	STABLE		STABLE		STABLE		STABLE	

Note:

¹Steady-state (stable) = slope less than error

²Significant trend identified by P<0.05 (95% confidence)

³Increasing/decreasing water levels if P<0.05 and

A positive trend indicates increasing groundwater elevations.

A negative trend indicates decreasing groundwater elevations.



Groundwater Level Statistics	AF-11D		AF-19S		AF-19D		GM-9P	
	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)
Does Well Satisfy Steady State Condition? ¹	YES	YES	YES	YES	YES	YES	YES	N/A
Number of Data Points	8	8	8	8	8	8	8	8
Slope	-0.001593623	-0.001593623	-0.001594935	-0.001594935	0.001054839	0.001054839	-0.009126238	-0.009126238
Intercept	603.0799351	603.0799351	603.5924059	603.5924059	490.4607257	490.4607257	931.2114855	931.2114855
Standard Error of Estimates	0.07834291	0.062890602	0.100071592	0.079733378	0.127218162	0.083745976	0.321981878	0
X Variable Coefficient		-0.001593623		-0.001594935		0.001054839		-0.009126238
P-Value		0.12087389		0.203758244		0.403816359		2.91241E-96
Trend Analysis ²	No Significant Trend		No Significant Trend		No Significant Trend		Significant Negative Trend	
Magnitude		0.192912716		0.257385812		0.269583177		0.702720308
Summary ³	STABLE		STABLE		STABLE		Decreasing water levels	

Note:

¹Steady-state (stable) = slope less than error

²Significant trend identified by P<0.05 (95% confidence)

³Increasing/decreasing water levels if P<0.05 and

A positive trend indicates increasing groundwater elevations.

A negative trend indicates decreasing groundwater elevations.



Groundwater Level Statistics	GM-9S		GM-9D		OSMW-1P		OSMW-1S	
	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)
Does Well Satisfy Steady State Condition? ¹	YES	N/A	YES	N/A	YES	YES	YES	YES
Number of Data Points	8	8	8	8	8	8	8	8
Slope	-0.000832415	-0.000832415	-0.000948656	-0.000948656	-0.001402767	-0.001402767	-0.001304167	-0.001304167
Intercept	575.4574565	575.4574565	577.8072826	577.8072826	597.3425415	597.3425415	593.1727022	593.1727022
Standard Error of Estimates	0.139181551	2.6885E-10	0.104106634	#NUM!	0.116267053	0.379320075	0.114458723	0.062253794
X Variable Coefficient		-0.000832415		-0.000948656		-0.001402767		-0.001304167
P-Value		2.37546E-72		2.7009E-72		0.800884492		0.185937716
Trend Analysis ²	Significant Negative Trend		Significant Negative Trend		No Significant Trend		No Significant Trend	
Magnitude		0.064095964		0.073046533		0.93729613		0.219349942
Summary ³	STABLE		STABLE		STABLE		STABLE	

Note:

¹Steady-state (stable) = slope less than error

²Significant trend identified by P<0.05 (95% confidence)

³Increasing/decreasing water levels if P<0.05 and

A positive trend indicates increasing groundwater elevations.

A negative trend indicates decreasing groundwater elevations.



Groundwater Level Statistics	OSMW-1D		OSMW-3S		OSMW-3D		OSMW-10P	
	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)
Does Well Satisfy Steady State Condition? ¹	YES	YES	YES	YES	YES	YES	YES	YES
Number of Data Points	8	8	8	8	8	8	8	8
Slope	0.001742825	0.001742825	-0.002318863	-0.002318863	-0.000683402	-0.000683402	-0.002027469	-0.002027469
Intercept	461.5591245	461.5591245	634.7990017	634.7990017	564.3000859	564.3000859	623.6168967	623.6168967
Standard Error of Estimates	0.131507259	0.044702403	0.088047267	0.06569332	0.078461142	0.052893215	0.123932593	0.40050436
X Variable Coefficient		0.001742825		-0.002318863		-0.000683402		-0.002027469
P-Value		0.032025295		0.04551089		0.392541415		0.730553938
Trend Analysis ²	Significant Positive Trend		Significant Negative Trend		No Significant Trend		No Significant Trend	
Magnitude		0.146430386		0.231525627		0.138682256		0.974395259
Summary ³	Increasing water levels		Decreasing water levels		STABLE		STABLE	

Note:

¹Steady-state (stable) = slope less than error

²Significant trend identified by P<0.05 (95% confidence)

³Increasing/decreasing water levels if P<0.05 and

A positive trend indicates increasing groundwater elevations.

A negative trend indicates decreasing groundwater elevations.



Groundwater Level Statistics	OSMW-10S		OSMW-10D		PMW-3S		PMW-3D	
	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)	Individual Well Data	Normalized to Background (GM-9 series)
Does Well Satisfy Steady State Condition? ¹	YES	YES	YES	YES	YES	YES	YES	YES
Number of Data Points	8	8	8	8	8	8	8	8
Slope	0.001804286	0.001804286	0.002868373	0.002868373	-0.002931695	-0.002931695	-0.002009055	-0.002009055
Intercept	460.1999541	460.1999541	412.972473	412.972473	662.6954342	662.6954342	621.2151225	621.2151225
Standard Error of Estimates	0.160787823	0.114826821	0.337459965	0.414402851	0.115111262	0.047728935	0.073892519	0.063831536
X Variable Coefficient		0.001804286		0.002868373		-0.002931695		-0.002009055
P-Value		0.305471081		0.639244022		0.004674303		0.066006116
Trend Analysis ²	No Significant Trend		No Significant Trend		Significant Negative Trend		No Significant Trend	
Magnitude		0.348626828		1.26215504		0.28103651		0.196243874
Summary ³	STABLE		STABLE		Decreasing water levels		STABLE	

Note:

¹Steady-state (stable) = slope less than error

²Significant trend identified by P<0.05 (95% confidence)

³Increasing/decreasing water levels if P<0.05 and

A positive trend indicates increasing groundwater elevations.

A negative trend indicates decreasing groundwater elevations.



Table 10 - Summary of Extraction Well Influent Chemical Statistical Analysis

	EW-2P	Sample Date and Result	Chemical Data											
			1,1,1-TCA µg/L	1,1-DCA µg/L	1,1-DCE µg/L	Chloroethane µg/L	cis-1,2-DCE µg/L	PCE µg/L	trans-1,2-DCE µg/L	TCE µg/L	Vinyl Chloride µg/L	TCA Group ⁴ µmol/L	TCE Group ⁴ µmol/L	
5/2/2016	84.0	5/2/2016	8.3	5/2/2016	2.3	no data	5/2/2016	14.0	10/17/2011	2.1	9/6/2011	2.8	5/2/2016	170.0
6/1/2016	86.0	6/1/2016	8.6	6/1/2016	3.7	no data	6/1/2016	12.0	10/31/2011	2.6	9/26/2011	2.1	6/1/2016	180.0
7/1/2016	81.0	7/1/2016	8.2	7/1/2016	4.1	no data	7/1/2016	13.0	11/28/2011	1.8	10/10/2011	2.1	7/1/2016	170.0
8/1/2016	88.0	8/1/2016	9.4	8/1/2016	3.6	no data	8/1/2016	15.0	12/12/2011	2.0	10/17/2011	2.0	8/1/2016	180.0
9/1/2016	78.0	9/1/2016	8.8	9/1/2016	2.9	no data	9/1/2016	13.0	4/2/2012	2.1	10/31/2011	1.9	9/1/2016	170.0
10/3/2016	93.0	10/3/2016	10.0	10/3/2016	5.4	no data	10/3/2016	14.0	7/2/2012	2.2	11/28/2011	1.6	10/3/2016	200.0
11/1/2016	86.0	11/1/2016	10.0	11/1/2016	3.6	no data	11/1/2016	15.0	5/1/2013	2.1	12/12/2011	1.6	11/1/2016	190.0
12/1/2016	58.0	12/1/2016	20.0	12/1/2016	2.5	no data	12/1/2016	42.0	7/1/2015	1.3	7/1/2015	1.4	12/1/2016	150.0
														8/1/2014
														5.0
														12/1/2016
														0.66
														12/1/2016
Chemical Statistics														
	1,1,1-TCA	1,1-DCA	1,1-DCE	Chloroethane	cis-1,2-DCE	PCE	trans-1,2-DCE	TCE	Vinyl Chloride		TCA Group ⁴		TCE Group ⁴	
Does the Well Satisfy a Steady State Condition ¹	YES	YES	YES	#DIV/0!		YES	YES	YES	YES		YES		YES	
Number of Data Points	8	8	8	0	8	8	8	8	8		8		8	
Slope	-0.060	0.036	0.002	#DIV/0!	0.082	-0.001	-0.001	-0.003	-0.003		0.000		0.001	
Intercept	2634.6816	-1536.6582	-66.9001	#DIV/0!	-3477.3225	26.3487	22.5285	285.9189	136.4838		3.5313		-33.7005	
Standard Error of Estimates	10.363	3.074	1.058	#DIV/0!	8.593	0.268	0.391	16.265	1.679		0.063		0.069	
X Variable Coefficient	-0.05992944	0.03631710	0.00165292	Insufficient Data	0.08203422	-0.00059124	-0.00050213	-0.00257445	-0.00314140		-0.00006519		0.00082664	
P-Value	0.295	0.058	0.767	Insufficient Data	0.107	0.036	0.156	0.976	0.285		0.845		0.054	
Trend Analysis ²	No Significant Trend	No Significant Trend	No Significant Trend	Insufficient Data	No Significant Trend	Significant Negative Trend	No Significant Trend	No Significant Trend	No Significant Trend		No Significant Trend		No Significant Trend	
Trend Analysis Result ³	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Evaluate System Optimization	Continue Pumping	Continue Pumping	Continue Pumping		Continue Pumping		Continue Pumping	

Notes:

- 1 - Steady-state (stable) = slope less than error
- 2 - Significant trend identified by P<0.05 (95% confidence; a positive trend indicates increasing chemical concentrations; a negative trend indicates decreasing chemical concentrations)
- 3 - Analysis result determined by the P value. If the P>0.05 an action is required (evaluate system optimization if the trend analysis is negative, Evaluate System Optimization if the trend is positive).
- 4 - TCA Group includes 1,1,1-TCA; 1,1-DCA; 1,1-DCE; Chloroethane. TCE Group includes cis-1,2-DCE; PCE; trans-1,2-DCE; TCE; Vinyl Chloride.
- 5 - The statistics for the TCA Group and the TCE Group were completed using the sum of the mass equivalents of the component compounds.

Acronyms:

'TCA' - Trichloroethane.
'DCA' - Dichloroethane.
'DCE' - Dichloroethene.
'PCE' - Tetrachloroethene.
'TCE' - Trichloroethene.



Table 10 - Summary of Extraction Well Influent Chemical Statistical Analysis

EW-4P	Sample Date and Result	Chemical Data											
		1,1,1-TCA µg/L	1,1-DCA µg/L	1,1-DCE µg/L	Chloroethane µg/L	cis-1,2-DCE µg/L	PCE µg/L	trans-1,2-DCE µg/L	TCE µg/L	Vinyl Chloride µg/L	TCA Group ⁴ µmol/L	TCE Group ⁴ µmol/L	
5/2/2016	88.0	5/2/2016	24.0	4/1/2016	7.1	no data	5/2/2016	26.0	no data	9/26/2011	1.5	5/2/2016	160.0
6/1/2016	11.0	6/1/2016	6.5	5/2/2016	7.2	no data	6/1/2016	17.0	no data	10/10/2011	1.8	6/1/2016	51.0
7/1/2016	76.0	7/1/2016	20.0	7/1/2016	7.3	no data	7/1/2016	24.0	no data	10/17/2011	1.9	7/1/2016	140.0
8/1/2016	84.0	8/1/2016	22.0	8/1/2016	7.7	8/23/2011	0.87	8/1/2016	28.0	10/31/2011	0.63	8/1/2016	150.0
9/1/2016	78.0	9/1/2016	22.0	9/1/2016	7.1	9/26/2011	1.3	9/1/2016	26.0	11/3/2014	0.89	9/1/2016	160.0
10/3/2016	98.0	10/3/2016	26.0	10/3/2016	11.0	10/10/2011	1.1	10/3/2016	28.0	7/1/2015	0.87	8/1/2014	17.0
11/1/2016	86.0	11/1/2016	23.0	11/1/2016	7.9	10/17/2011	1.4	11/1/2016	28.0	11/2/2015	1.4	9/2/2014	29.0
12/1/2016	73.0	12/1/2016	22.0	12/1/2016	7.4	3/5/2012	4.7	12/1/2016	26.0	7/1/2016	1.0	7/1/2015	1.1
Chemical Statistics													
	1,1,1-TCA	1,1-DCA	1,1-DCE	Chloroethane	cis-1,2-DCE	PCE	trans-1,2-DCE	TCE	Vinyl Chloride	TCA Group ⁴	TCE Group ⁴		
Does the Well Satisfy a Steady State Condition ¹	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Number of Data Points	8	8	8	5	8	5	8	8	8	8	8	8	8
Slope	0.130	0.034	0.006	0.021	0.025	0.000	0.010	0.264	-0.004	0.002	0.002	0.002	0.002
Intercept	-5445.5325	-1424.5612	-232.7710	-847.8849	-1057.7285	-11.5562	-415.4012	-11114.0213	194.0164	-64.0010	-89.9050		
Standard Error of Estimates	26.913	5.863	1.313	0.357	3.378	0.231	9.147	37.117	0.987	0.290	0.301		
X Variable Coefficient	0.12957549	0.03392684	0.00564923	Insufficient Data	0.02542558	Insufficient Data	0.01023418	0.26430559	-0.00449957	0.00152206	0.00214268		
P-Value	0.377	0.295	0.365	Insufficient Data	0.186	Insufficient Data	0.129	0.208	0.103	0.338	0.208		
Trend Analysis ²	No Significant Trend	No Significant Trend	No Significant Trend	Insufficient Data	No Significant Trend	Insufficient Data	No Significant Trend	No Significant Trend	No Significant Trend	No Significant Trend	No Significant Trend	No Significant Trend	No Significant Trend
Trend Analysis Result ³	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping

Notes:

- 1 - Steady-state (stable) = slope less than error
- 2 - Significant trend identified by P<0.05 (95% confidence; a positive trend indicates increasing chemical concentrations; a negative trend indicates decreasing chemical concentrations)
- 3 - Analysis result determined by the P value. If the P>0.05 an action is required (evaluate system optimization if the trend analysis is negative, Evaluate System Optimization if the trend is positive).
- 4 - TCA Group includes 1,1,1-TCA; 1,1-DCA; 1,1-DCE; Chloroethane. TCE Group includes cis-1,2-DCE; PCE; trans-1,2-DCE; TCE; Vinyl Chloride.
- 5 - The statistics for the TCA Group and the TCE Group were completed using the sum of the mass equivalents of the component compounds.

Acronyms:

- 'TCA' - Trichloroethane.
- 'DCA' - Dichloroethane.
- 'DCE' - Dichloroethene.
- 'PCE' - Tetrachloroethene.
- 'TCE' - Trichloroethene.



Table 10 - Summary of Extraction Well Influent Chemical Statistical Analysis

EW-5P Sample Date and Result	Chemical Data																					
	1,1,1-TCA µg/L		1,1-DCA µg/L		1,1-DCE µg/L		Chloroethane µg/L	cis-1,2-DCE µg/L		PCE µg/L		trans-1,2-DCE µg/L		TCE µg/L	Vinyl Chloride µg/L	TCA Group ⁴ µmol/L		TCE Group ⁴ µmol/L				
	5/2/2016	88.0	5/2/2016	24.0	5/2/2016	6.4	10/17/2011	4.9	2/1/2016	27.0	12/12/2011	0.61	9/26/2011	1.8	5/2/2016	160.0	4/1/2015	5.0	5/2/2016	0.97	5/2/2016	1.49
	6/1/2016	96.0	6/1/2016	24.0	6/1/2016	8.0	10/31/2011	3.0	3/1/2016	25.0	7/2/2012	0.77	10/10/2011	1.6	6/1/2016	170.0	7/1/2015	2.9	6/1/2016	1.04	6/1/2016	1.55
	7/1/2016	81.0	7/1/2016	20.0	7/1/2016	7.3	11/14/2011	5.1	7/1/2016	23.0	7/1/2015	0.83	10/17/2011	1.6	7/1/2016	160.0	11/2/2015	4.6	7/1/2016	0.88	7/1/2016	1.45
	8/1/2016	84.0	8/1/2016	21.0	8/1/2016	7.1	11/28/2011	5.0	8/1/2016	26.0	8/1/2016	0.98	10/31/2011	1.5	8/1/2016	140.0	2/1/2016	3.6	8/1/2016	0.92	8/1/2016	1.38
	9/1/2016	79.0	9/1/2016	22.0	9/1/2016	7.2	12/12/2011	4.6	9/1/2016	25.0	9/1/2016	1.1	12/12/2011	1.1	9/1/2016	150.0	8/1/2016	1.8	9/1/2016	0.89	9/1/2016	1.43
	10/3/2016	100.0	10/3/2016	27.0	10/3/2016	12.0	1/16/2012	8.5	10/3/2016	27.0	10/3/2016	0.97	4/1/2014	28.0	10/3/2016	190.0	9/1/2016	1.9	10/3/2016	1.15	10/3/2016	1.75
	11/1/2016	82.0	11/1/2016	21.0	11/1/2016	6.5	2/7/2012	8.0	11/1/2016	26.0	11/1/2016	0.79	7/1/2015	1.1	11/1/2016	150.0	10/3/2016	1.8	11/1/2016	0.89	11/1/2016	1.41
	12/1/2016	69.0	12/1/2016	21.0	12/1/2016	7.0	5/1/2012	2.3	12/1/2016	24.0	12/1/2016	0.96	8/1/2016	1.2	12/1/2016	150.0	12/1/2016	2.0	12/1/2016	0.8	12/1/2016	1.42
Chemical Statistics																						
1,1,1-TCA		1,1-DCA		1,1-DCE		Chloroethane		cis-1,2-DCE		PCE		trans-1,2-DCE		TCE	Vinyl Chloride	TCA Group ⁴ µmol/L		TCE Group ⁴ µmol/L				
Does the Well Satisfy a Steady State Condition? ¹	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES				
Number of Data Points	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8			
Slope	-0.058	-0.005	0.004	-0.001	-0.002	0.000	0.003	-0.026	-0.005	0.000	0.000	-0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
Intercept	2550.2930	243.3567	-180.0516	26.4504	117.2874	-6.0064	-103.6087	1261.0344	208.6510	19.7185	19.7185	19.7185	19.7185	19.7185	19.7185	19.7185	19.7185	19.7185	19.7185			
Standard Error of Estimates	9.498	2.481	1.924	2.326	1.499	0.103	9.948	16.639	0.755	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.111	0.130			
X Variable Coefficient	-0.05787507	-0.00518455	0.00440713	-0.00052017	-0.00215878	0.00016320	0.00262096	-0.02587585	-0.00484654	-0.00044075	-0.00044075	-0.00044075	-0.00044075	-0.00044075	-0.00044075	-0.00044075	-0.00044075	-0.00044075	-0.00044075			
P-Value	0.273	0.693	0.666	0.971	0.689	0.020	0.632	0.768	0.008	0.462	0.462	0.462	0.462	0.462	0.462	0.462	0.462	0.462	0.923			
Trend Analysis ²	No Significant Trend	Significant Positive Trend	No Significant Trend	No Significant Trend	Significant Negative Trend	No Significant Trend	No Significant Trend	No Significant Trend	No Significant Trend	No Significant Trend	No Significant Trend	No Significant Trend	No Significant Trend	No Significant Trend	No Significant Trend							
Trend Analysis Result ³	Continue Pumping	Evaluate System Optimization	Continue Pumping	Continue Pumping	Evaluate System Optimization	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping							

Notes:

- 1 - Steady-state (stable) = slope less than error
- 2 - Significant trend identified by P<0.05 (95% confidence); a positive trend indicates increasing chemical concentrations; a negative trend indicates decreasing chemical concentrations
- 3 - Analysis result determined by the P value. If the P>0.05 an action is required (evaluate system optimization if the trend analysis is negative, Evaluate System Optimization if the trend is positive).
- 4 - TCA Group includes 1,1,1-TCA; 1,1-DCA; 1,1-DCE; Chloroethane. TCE Group includes cis-1,2-DCE; PCE; trans-1,2-DCE; TCE; Vinyl Chloride.
- 5 - The statistics for the TCA Group and the TCE Group were completed using the sum of the mass equivalents of the component compounds.

Acronyms:

- 'TCA' - Trichloethane.
- 'DCA' - Dichloroethane.
- 'DCE' - Dichloroethene.
- 'PCE' - Tetrachloroethene.
- 'TCE' - Trichloroethene.



GE Aviation - Groundwater Monitoring Report

Table 10 - Summary of Extraction Well Influent Chemical Statistical Analysis

EW-6P Sample Date and Result	Chemical Data																				
	1,1,1-TCA µg/L		1,1-DCA µg/L		1,1-DCE µg/L		Chloroethane µg/L	cis-1,2-DCE µg/L		PCE µg/L		trans-1,2-DCE µg/L		TCE µg/L	Vinyl Chloride µg/L	TCA Group ⁴ µmol/L		TCE Group ⁴ µmol/L			
	5/2/2016	30.0	5/2/2016	5.9	12/1/2015	0.71	no data	5/2/2016	13.0	2/1/2016	1.1	9/6/2011	1.8	5/2/2016	92.0	1/4/2016	2.4	5/2/2016	0.29	5/2/2016	0.88
	6/1/2016	37.0	6/1/2016	5.6	1/4/2016	1.4	no data	6/1/2016	11.0	5/2/2016	0.94	9/6/2011	1.5	6/1/2016	110.0	2/1/2016	2.9	6/1/2016	0.35	6/1/2016	1.0
	7/1/2016	32.0	7/1/2016	4.9	2/1/2016	1.1	no data	7/1/2016	9.4	6/1/2016	0.9	10/10/2011	1.6	7/1/2016	100.0	5/2/2016	2.5	7/1/2016	0.3	7/1/2016	0.86
	8/1/2016	30.0	8/1/2016	5.1	5/2/2016	0.89	no data	8/1/2016	10.0	7/1/2016	1.0	10/31/2011	1.8	8/1/2016	93.0	6/1/2016	2.7	8/1/2016	0.29	8/1/2016	0.84
	9/1/2016	30.0	9/1/2016	5.6	6/1/2016	1.3	no data	9/1/2016	10.0	8/1/2016	0.89	12/12/2011	1.6	9/1/2016	100.0	8/1/2016	1.8	9/1/2016	0.29	9/1/2016	0.9
	10/3/2016	33.0	10/3/2016	5.5	10/3/2016	1.9	no data	10/3/2016	10.0	9/1/2016	0.83	4/1/2013	1.5	10/3/2016	110.0	9/1/2016	2.0	10/3/2016	0.32	10/3/2016	0.98
	11/1/2016	30.0	11/1/2016	5.1	11/1/2016	0.82	no data	11/1/2016	11.0	11/1/2016	0.83	7/1/2015	1.4	11/1/2016	100.0	10/3/2016	2.5	11/1/2016	0.28	11/1/2016	0.91
	12/1/2016	30.0	12/1/2016	5.6	12/1/2016	0.95	no data	12/1/2016	10.0	12/1/2016	1.1	11/2/2015	1.8	12/1/2016	110.0	11/1/2016	1.9	12/1/2016	0.29	12/1/2016	0.94
Chemical Statistics														TCA Group ⁴		TCE Group ⁴					
1,1,1-TCA		1,1-DCA		1,1-DCE		Chloroethane		cis-1,2-DCE		PCE		trans-1,2-DCE		TCE		Vinyl Chloride		TCA Group ⁴		TCE Group ⁴	
Does the Well Satisfy a Steady State Condition? ¹	YES	YES	YES	#DIV/0!	YES	YES	YES	YES	YES	YES	YES	YES	YES								
Number of Data Points	8	8	8	0	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
Slope	-0.012	-0.001	0.000	#DIV/0!	-0.007	0.000	0.000	0.000	0.000	0.044	0.044	-0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Intercept	560.2525	42.7573	-17.4078	#DIV/0!	327.0751	14.3040	3.2795	3.2795	3.2795	-1776.7218	-1776.7218	97.0958	97.0958	4.6666	4.6666	-6.2255	-6.2255	-6.2255	-6.2255	-6.2255	
Standard Error of Estimates	2.515	0.360	0.414	#DIV/0!	1.062	0.112	0.169	0.169	0.169	7.170	7.170	0.334	0.334	0.022	0.022	0.058	0.058	0.058	0.058	0.058	
X Variable Coefficient	-0.01241234	-0.00087666	0.00043607	Insufficient Data	-0.00743035	-0.00031374	-0.00004010	-0.00004010	-0.00004010	0.0440960	0.0440960	-0.00222758	-0.00222758	-0.00010244	-0.00010244	0.00016756	0.00016756	0.00016756	0.00016756	0.00016756	
P-Value	0.366	0.647	0.704	Insufficient Data	0.215	0.492	0.700	0.700	0.700	0.269	0.269	0.097	0.097	0.390	0.390	0.586	0.586	0.586	0.586	0.586	
Trend Analysis ²	No Significant Trend	No Significant Trend	No Significant Trend	Insufficient Data	No Significant Trend	No Significant Trend	No Significant Trend	No Significant Trend	No Significant Trend	No Significant Trend	No Significant Trend	No Significant Trend	No Significant Trend								
Trend Analysis Result ³	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	

Notes:

- 1 - Steady-state (stable) = slope less than error
- 2 - Significant trend identified by P<0.05 (95% confidence); a positive trend indicates increasing chemical concentrations; a negative trend indicates decreasing chemical concentrations
- 3 - Analysis result determined by the P value. If the P>0.05 an action is required (evaluate system optimization if the trend analysis is negative, Evaluate System Optimization if the trend is positive).
- 4 - TCA Group includes 1,1,1-TCA; 1,1-DCA; 1,1-DCE; Chloroethane. TCE Group includes cis-1,2-DCE; PCE; trans-1,2-DCE; TCE; Vinyl Chloride.
- 5 - The statistics for the TCA Group and the TCE Group were completed using the sum of the mass equivalents of the component compounds.

Acronyms:

'TCA' - Trichloethane.
'DCA' - Dichloroethane.
'DCE' - Dichloroethene.
'PCE' - Tetrachloroethene.
'TCE' - Trichloroethene.



Table 10 - Summary of Extraction Well Influent Chemical Statistical Analysis

Chemical Data													
EW-7S Sample Date and Result	1,1,1-TCA µg/L	1,1-DCA µg/L	1,1-DCE µg/L	Chloroethane µg/L	cis-1,2-DCE µg/L	PCE µg/L	trans-1,2-DCE µg/L	TCE µg/L	Vinyl Chloride µg/L	TCA Group ⁴ µmol/L	TCE Group ⁴ µmol/L		
	no data	5/1/2014	0.83	10/1/2013	0.45	no data	3/1/2016	250.0	no data	2/9/2016	4.7	5/1/2014	0.01
	no data	6/2/2014	0.89	12/2/2013	0.69	no data	4/1/2016	170.0	no data	3/1/2016	360.0	6/2/2014	0.01
	no data	7/1/2014	0.88	2/3/2014	0.39	no data	5/2/2016	170.0	no data	5/2/2016	260.0	7/1/2014	0.01
	no data	9/2/2014	0.87	5/1/2014	0.35	no data	6/1/2016	140.0	no data	6/1/2016	230.0	9/2/2014	0.01
	no data	11/3/2014	1.4	7/1/2014	0.3	no data	7/1/2016	120.0	no data	7/1/2016	160.0	11/3/2014	0.01
	no data	12/1/2014	1.2	12/1/2014	0.32	no data	8/1/2016	140.0	no data	8/1/2016	180.0	12/1/2014	0.02
	no data	7/1/2015	1.2	7/1/2015	0.46	no data	9/1/2016	140.0	no data	9/1/2016	220.0	4/1/2015	0.02
	no data	3/1/2016	1.3	3/1/2016	0.49	no data	10/3/2016	150.0	no data	12/12/2011	1.3	1/14/2016	7.9
										10/3/2016	250.0	3/1/2016	0.02
Chemical Statistics													
	1,1,1-TCA	1,1-DCA	1,1-DCE	Chloroethane	cis-1,2-DCE	PCE	trans-1,2-DCE	TCE	Vinyl Chloride	TCA Group ⁴	TCE Group ⁴		
Does the Well Satisfy a Steady State Condition? ¹	#DIV/0!	YES	YES	#DIV/0!	YES	#DIV/0!	#DIV/0!	#DIV/0!	YES	YES	YES		
Number of Data Points	0	8	8	0	8	0	1	1	8	8	8		
Slope	#DIV/0!	0.001	0.000	#DIV/0!	-0.371	#DIV/0!	#DIV/0!	#DIV/0!	0.213	0.000	-0.012		
Intercept	#DIV/0!	-28.2542	1.6840	#DIV/0!	15933.0821	#DIV/0!	#DIV/0!	#DIV/0!	-8834.7948	-0.5299	529.8453		
Standard Error of Estimates	#DIV/0!	0.175	0.135	#DIV/0!	30.974	#DIV/0!	#DIV/0!	#DIV/0!	108.291	0.002	1.115		
X Variable Coefficient	Insufficient Data	0.00069865	-0.00002992	Insufficient Data	-0.37080087	Insufficient Data	Insufficient Data	Insufficient Data	0.21261679	0.00001294	-0.01232583		
P-Value	Insufficient Data	0.053	0.864	Insufficient Data	0.055	Insufficient Data	Insufficient Data	Insufficient Data	0.676	0.014	0.070		
Trend Analysis ²	Insufficient Data	No Significant Trend	No Significant Trend	Insufficient Data	No Significant Trend	Insufficient Data	Insufficient Data	Insufficient Data	No Significant Trend	Significant Positive Trend	No Significant Trend		
Trend Analysis Result ³	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Evaluate System Optimization	Continue Pumping		

Notes:

- 1 - Steady-state (stable) = slope less than error
- 2 - Significant trend identified by P<0.05 (95% confidence; a positive trend indicates increasing chemical concentrations; a negative trend indicates decreasing chemical concentrations)
- 3 - Analysis result determined by the P value. If the P>0.05 an action is required (evaluate system optimization if the trend analysis is negative, Evaluate System Optimization if the trend is positive).
- 4 - TCA Group includes 1,1,1-TCA; 1,1-DCA; 1,1-DCE; Chloroethane. TCE Group includes cis-1,2-DCE; PCE; trans-1,2-DCE; TCE; Vinyl Chloride.
- 5 - The statistics for the TCA Group and the TCE Group were completed using the sum of the mass equivalents of the component compounds.

Acronyms:

- 'TCA' - Trichloroethane.
- 'DCA' - Dichloroethane.
- 'DCE' - Dichloroethene.
- 'PCE' - Tetrachloroethene.
- 'TCE' - Trichloroethene.



Table 10 - Summary of Extraction Well Influent Chemical Statistical Analysis

Chemical Data																			
EW-3D Sample Date and Result	1,1,1-TCA µg/L	1,1-DCA µg/L	1,1-DCE µg/L	Chloroethane µg/L	cis-1,2-DCE µg/L	PCE µg/L	trans-1,2-DCE µg/L	TCE µg/L	Vinyl Chloride µg/L	TCA Group ⁴ µmol/L	TCE Group ⁴ µmol/L								
	no data	no data	no data	no data	5/2/2016	150.0	no data	5/2/2016	29.0	5/2/2016	190.0	3/1/2016	4.2	no data	5/2/2016	3.34			
	no data	9/26/2011	2.4	no data	6/1/2016	140.0	no data	6/1/2016	27.0	6/1/2016	210.0	4/1/2016	4.1	9/26/2011	0.03	6/1/2016	3.38		
	no data	10/10/2011	1.9	no data	7/1/2016	130.0	no data	7/1/2016	25.0	7/1/2016	170.0	5/2/2016	3.6	10/10/2011	0.03	7/1/2016	2.89		
	no data	10/17/2011	1.7	9/26/2011	1.0	no data	8/1/2016	150.0	no data	8/1/2016	28.0	8/1/2016	180.0	6/1/2016	4.3	10/17/2011	0.02	8/1/2016	3.26
	no data	10/31/2011	1.6	10/10/2011	0.85	no data	9/1/2016	150.0	no data	9/1/2016	28.0	9/1/2016	190.0	8/1/2016	3.7	10/31/2011	0.02	9/1/2016	3.34
	no data	11/28/2011	1.6	10/17/2011	0.66	no data	10/3/2016	150.0	no data	10/3/2016	30.0	10/3/2016	220.0	9/1/2016	4.0	11/28/2011	0.02	10/3/2016	3.59
	no data	12/12/2011	1.4	10/31/2011	0.77	no data	11/1/2016	150.0	no data	11/1/2016	28.0	11/1/2016	200.0	10/3/2016	4.0	12/12/2011	0.02	11/1/2016	3.35
	no data	7/1/2015	0.83	12/12/2011	0.55	no data	12/1/2016	140.0	10/31/2011	0.41	12/1/2016	26.0	12/1/2016	200.0	12/1/2016	3.6	7/1/2015	0.01	12/1/2016
Chemical Statistics																			
Does the Well Satisfy a Steady State Condition? ¹	#DIV/0!	YES	YES	#DIV/0!	YES	#DIV/0!	YES	YES	YES	YES	YES	YES							
Number of Data Points	0	7	5	0	8	1	8	8	8	7	7	8							
Slope	#DIV/0!	-0.001	-0.005	#DIV/0!	0.016	#DIV/0!	0.000	0.071	-0.001	0.000	0.000	0.001							
Intercept	#DIV/0!	314.240	207.2804	#DIV/0!	-544.6966	#DIV/0!	36.3493	-2847.2269	61.1031	0.5351	0.5351	-24.3961							
Standard Error of Estimates	#DIV/0!	0.332	0.102	#DIV/0!	8.059	#DIV/0!	1.726	16.328	0.259	0.006	0.006	0.205							
X Variable Coefficient	Insufficient Data	Insufficient Data	Insufficient Data	Insufficient Data	0.01619045	Insufficient Data	-0.00020480	0.07141549	-0.00134327	Insufficient Data	Insufficient Data	0.00065027							
P-Value	Insufficient Data	Insufficient Data	Insufficient Data	Insufficient Data	0.704	Insufficient Data	0.982	0.419	0.236	Insufficient Data	Insufficient Data	0.552							
Trend Analysis ²	Insufficient Data	Insufficient Data	Insufficient Data	Insufficient Data	No Significant Trend	Insufficient Data	No Significant Trend	No Significant Trend	No Significant Trend	Insufficient Data	Insufficient Data	No Significant Trend							
Trend Analysis Result ³	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping							

Notes:

- 1 - Steady-state (stable) = slope less than error
- 2 - Significant trend identified by P<0.05 (95% confidence; a positive trend indicates increasing chemical concentrations; a negative trend indicates decreasing chemical concentrations)
- 3 - Analysis result determined by the P value. If the P>0.05 an action is required (evaluate system optimization if the trend analysis is negative, Evaluate System Optimization if the trend is positive).
- 4 - TCA Group includes 1,1,1-TCA; 1,1-DCA; 1,1-DCE; Chloroethane. TCE Group includes cis-1,2-DCE; PCE; trans-1,2-DCE; TCE; Vinyl Chloride.
- 5 - The statistics for the TCA Group and the TCE Group were completed using the sum of the mass equivalents of the component compounds.

Acronyms:

'TCA' - Trichloroethane.
'DCA' - Dichloroethane.
'DCE' - Dichloroethene.
'PCE' - Tetrachloroethene.
'TCE' - Trichloroethene.



GE Aviation - Groundwater Monitoring Report

Table 10 - Summary of Extraction Well Influent Chemical Statistical Analysis

Chemical Data													
EW-8D Sample Date and Result	1,1,1-TCA µg/L	1,1-DCA µg/L	1,1-DCE µg/L	Chloroethane µg/L	cis-1,2-DCE µg/L	PCE µg/L	trans-1,2-DCE µg/L	TCE µg/L	Vinyl Chloride µg/L	TCA Group ⁴ µmol/L	TCE Group ⁴ µmol/L		
	no data	5/2/2016	1.1	no data	no data	5/2/2016	4.4	no data	5/2/2016	1.8	no data	5/2/2016	
	no data	6/1/2016	1.2	no data	no data	6/1/2016	4.1	no data	6/1/2016	1.9	no data	6/1/2016	
	no data	7/1/2016	1.0	9/26/2011	0.46	no data	7/1/2016	3.9	no data	7/1/2016	1.7	no data	7/1/2016
	no data	8/1/2016	1.1	10/17/2011	0.53	no data	8/1/2016	4.3	no data	8/1/2016	1.8	no data	8/1/2016
	no data	9/1/2016	1.0	10/31/2011	0.43	no data	9/1/2016	4.1	no data	9/1/2016	1.6	no data	9/1/2016
	no data	10/3/2016	1.1	11/14/2011	0.43	no data	10/3/2016	3.8	no data	10/3/2016	1.7	no data	10/3/2016
	no data	11/1/2016	1.1	4/2/2012	0.7	no data	11/1/2016	4.4	no data	11/1/2016	1.6	no data	11/1/2016
	no data	12/1/2016	1.0	5/1/2012	0.42	12/1/2015	0.37	12/1/2016	3.9	no data	12/1/2016	1.6	no data
Chemical Statistics													
	1,1,1-TCA	1,1-DCA	1,1-DCE	Chloroethane	cis-1,2-DCE	PCE	trans-1,2-DCE	TCE	Vinyl Chloride	TCA Group ⁴	TCE Group ⁴		
	Does the Well Satisfy a Steady State Condition? ¹	#DIV/0!	YES	YES	#DIV/0!	YES	#DIV/0!	YES	YES	YES	YES		
	Number of Data Points	0	8	6	1	8	0	8	0	8	8		
	Slope	#DIV/0!	0.000	0.000	#DIV/0!	-0.001	#DIV/0!	-0.001	#DIV/0!	-0.001	0.000		
	Intercept	#DIV/0!	17.5180	-16.0565	#DIV/0!	45.6228	#DIV/0!	53.0665	#DIV/0!	51.9026	0.1770		
	Standard Error of Estimates	#DIV/0!	0.070	0.113	#DIV/0!	0.242	#DIV/0!	0.073	#DIV/0!	0.641	0.011		
	X Variable Coefficient	Insufficient Data	-0.00038599	Insufficient Data	Insufficient Data	-0.00097444	Insufficient Data	-0.00120552	Insufficient Data	-0.00108195	-0.00000390		
	P-Value	Insufficient Data	0.314	Insufficient Data	Insufficient Data	0.455	Insufficient Data	0.017	Insufficient Data	0.749	0.314		
	Trend Analysis ²	Insufficient Data	No Significant Trend	Insufficient Data	Insufficient Data	No Significant Trend	Insufficient Data	Significant Negative Trend	Insufficient Data	No Significant Trend	No Significant Trend		
Trend Analysis Result ³													
	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	Evaluate System Optimization	Continue Pumping	Continue Pumping	Continue Pumping	Continue Pumping	

Notes:

- 1 - Steady-state (stable) = slope less than error
- 2 - Significant trend identified by P<0.05 (95% confidence; a positive trend indicates increasing chemical concentrations; a negative trend indicates decreasing chemical concentrations)
- 3 - Analysis result determined by the P value. If the P>0.05 an action is required (evaluate system optimization if the trend analysis is negative, Evaluate System Optimization if the trend is positive).
- 4 - TCA Group includes 1,1,1-TCA; 1,1-DCA; 1,1-DCE; Chloroethane. TCE Group includes cis-1,2-DCE; PCE; trans-1,2-DCE; TCE; Vinyl Chloride.
- 5 - The statistics for the TCA Group and the TCE Group were completed using the sum of the mass equivalents of the component compounds.

Acronyms:

- 'TCA' - Trichloroethane.
- 'DCA' - Dichloroethane.
- 'DCE' - Dichloroethene.
- 'PCE' - Tetrachloroethene.
- 'TCE' - Trichloroethene.



Figures

FIGURE 1



LEGEND

- PERCHED MONITORING WELL LOCATION
- USG MONITORING WELL LOCATION
- △ LSG MONITORING WELL LOCATION
- EXTRATION WELL

**GE
EVENDALE, OHIO**

**GROUNDWATER IRM
MONITORING LOCATIONS**

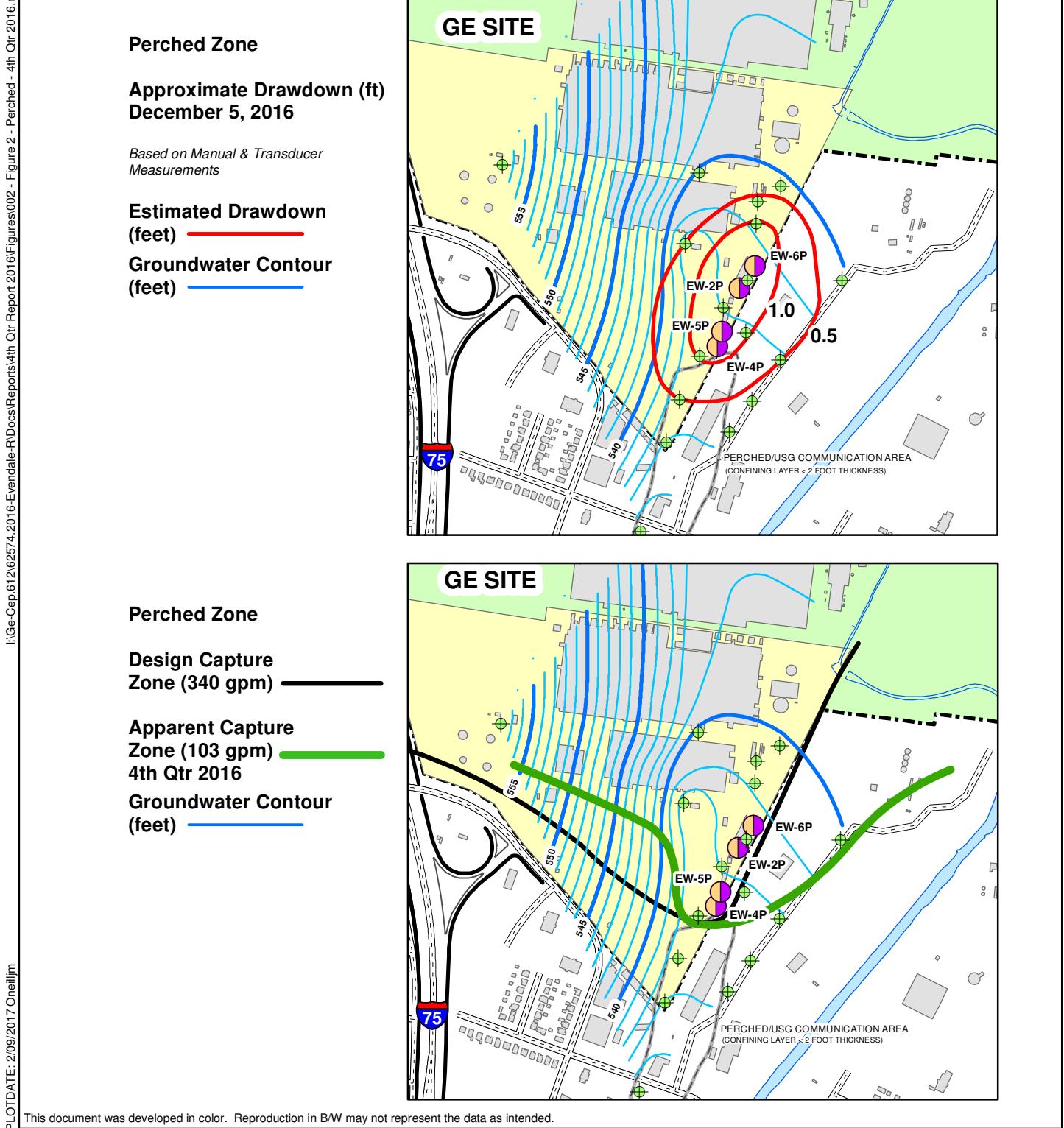


0 200 400 800
Feet



FIGURE 2

E:\Ge-Cep\612\62574\2016-E\evendale-R\Docs\Reports\4th Qtr Report\2016\Figures002 - Figure 2 - Perched - 4th Qtr 2016.mxd



GE
EVENDALE, OHIO

**PERCHED ZONE
ESTIMATED DRAWDOWN
AND CAPTURE ZONE**



0 400 800 1,600
Feet

DECEMBER 2016
612/62574

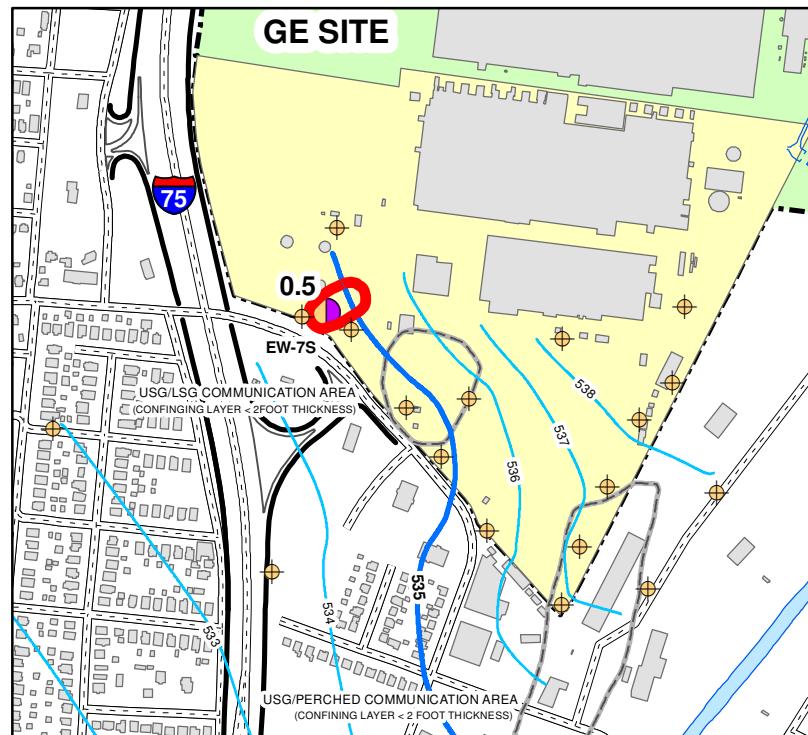
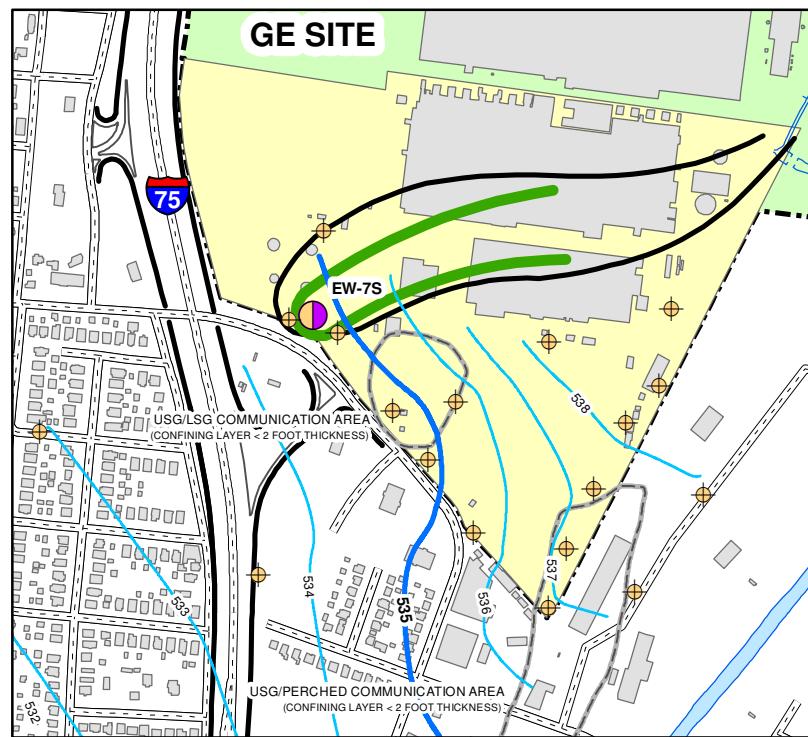


O'BRIEN & GERE ENGINEERS, INC.

FIGURE 3

I:\Ge-Cep\612\62574\2016\Evendale-RD\Docs\Reports\4th Qtr Report 2016\Figures\003 - Figure 3 - USG - 4th Qtr 2016.mxd

PLOTDATE: 02/09/17 O'Neillim

USG Zone**Approximate Drawdown (ft)
December 5, 2016***Based on Manual & Transducer
Measurements***Estimated Drawdown
(feet)** ——————**Groundwater Contour
(feet)** ——————**USG Zone****Design Capture
Zone (80 gpm)** ——————**Apparent Capture
Zone (8 gpm)
4th Qtr 2016** ——————**Groundwater Contour
(feet)** ——————

This document was developed in color. Reproduction in B/W may not represent the data as intended.

**GE
EVENDALE, OHIO****USG
ESTIMATED DRAWDOWN
AND CAPTURE ZONE**

0 400 800 1,600
Feet

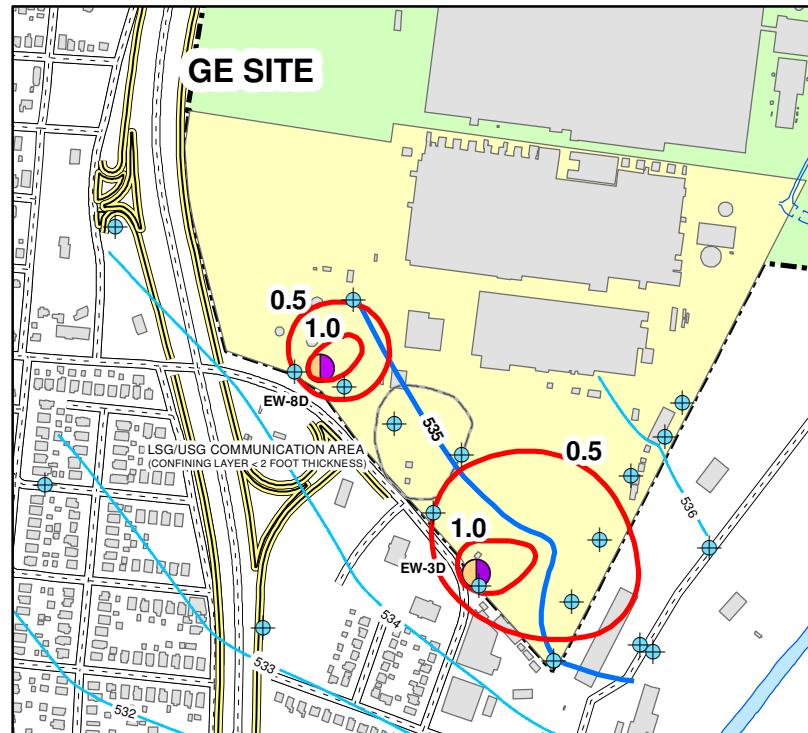
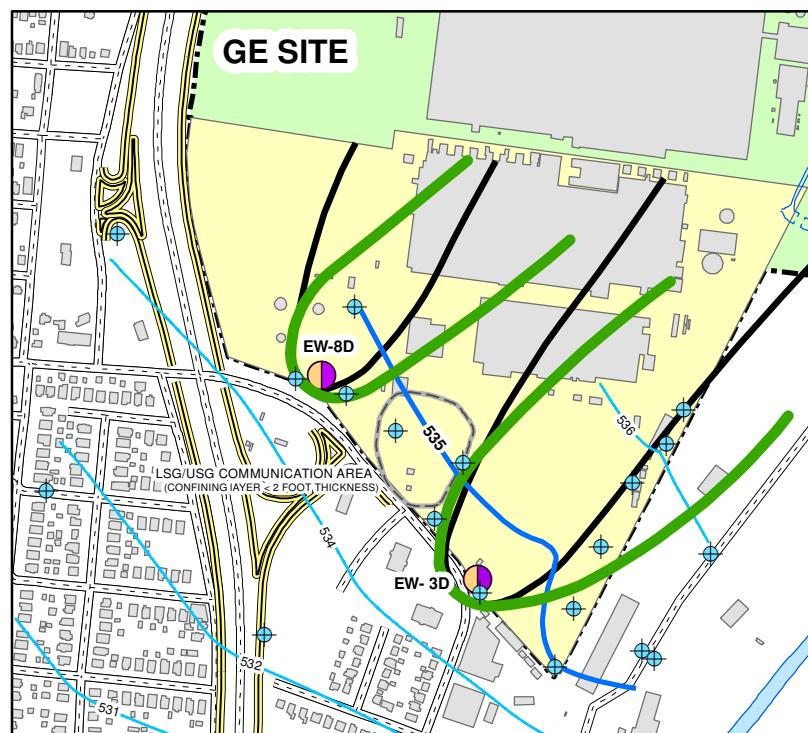
DECEMBER 2016
612/62574

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 4

l:\Ge-Cep.612\62574\2016-Evendale-R\Docs\Reports\4th Qtr Report 2016\Figures\004 - Figure 4 - LSG - 4th Qtr 2016.mxd

PLOTDATE: 2/09/2017 Onellim

LSG Zone**Approximate Drawdown (ft)
December 5, 2016***Based on Manual & Transducer Measurements***Estimated Drawdown
(feet)** ——————**Groundwater Contour
(feet)** ——————**LSG Zone****Design Capture
Zone (160 gpm)** ——————**Apparent Capture
Zone (79 gpm)
4th Qtr 2016** ——————**Groundwater Contour
(feet)** ——————

This document was developed in color. Reproduction in B/W may not represent the data as intended.

**GE
EVENDALE, OHIO**

N

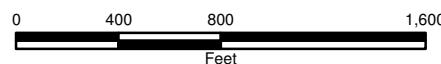
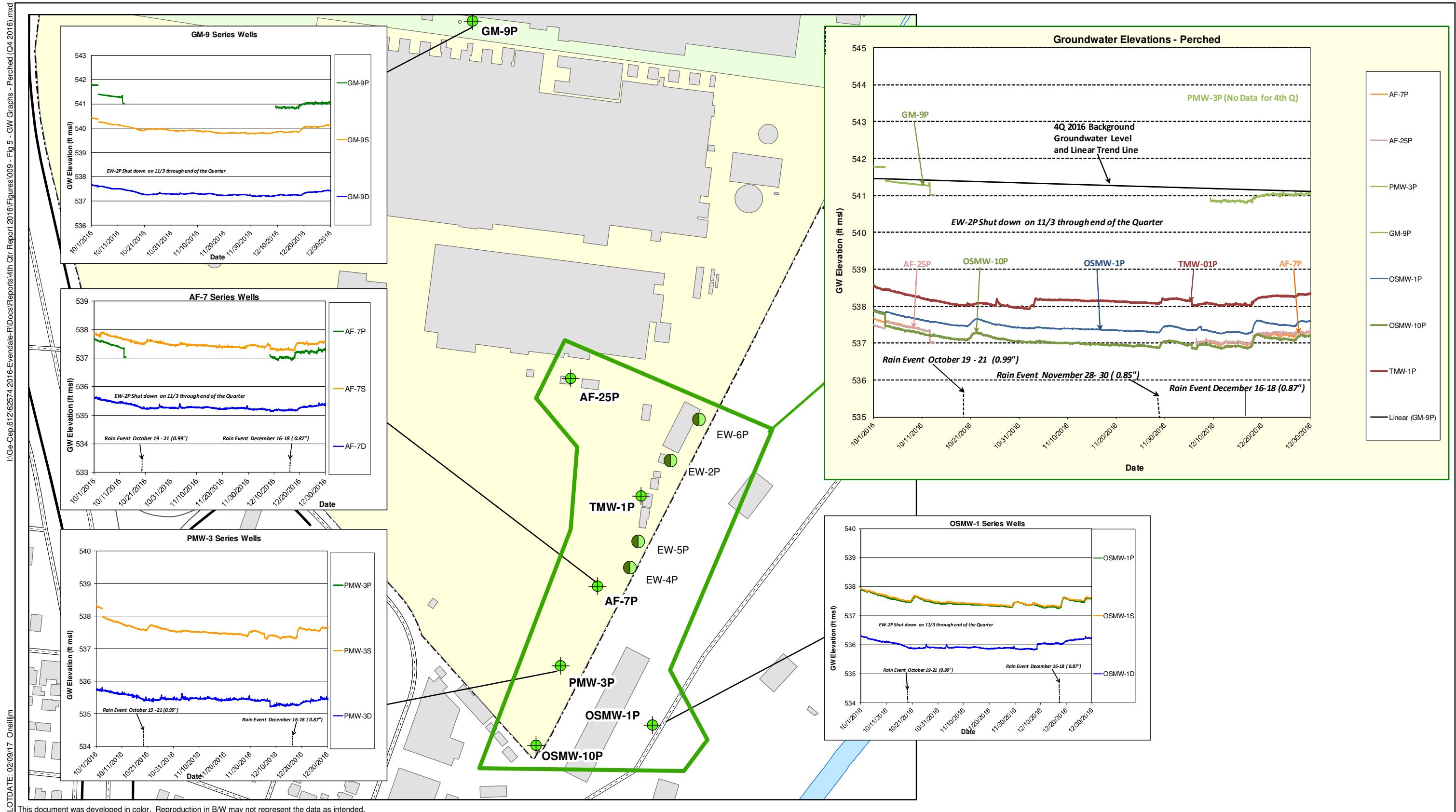
**LSG
ESTIMATED DRAWDOWN
AND CAPTURE ZONE**

FIGURE 5



This document was developed in color. Reproduction in B/W may not represent the data as intended.

LEGEND

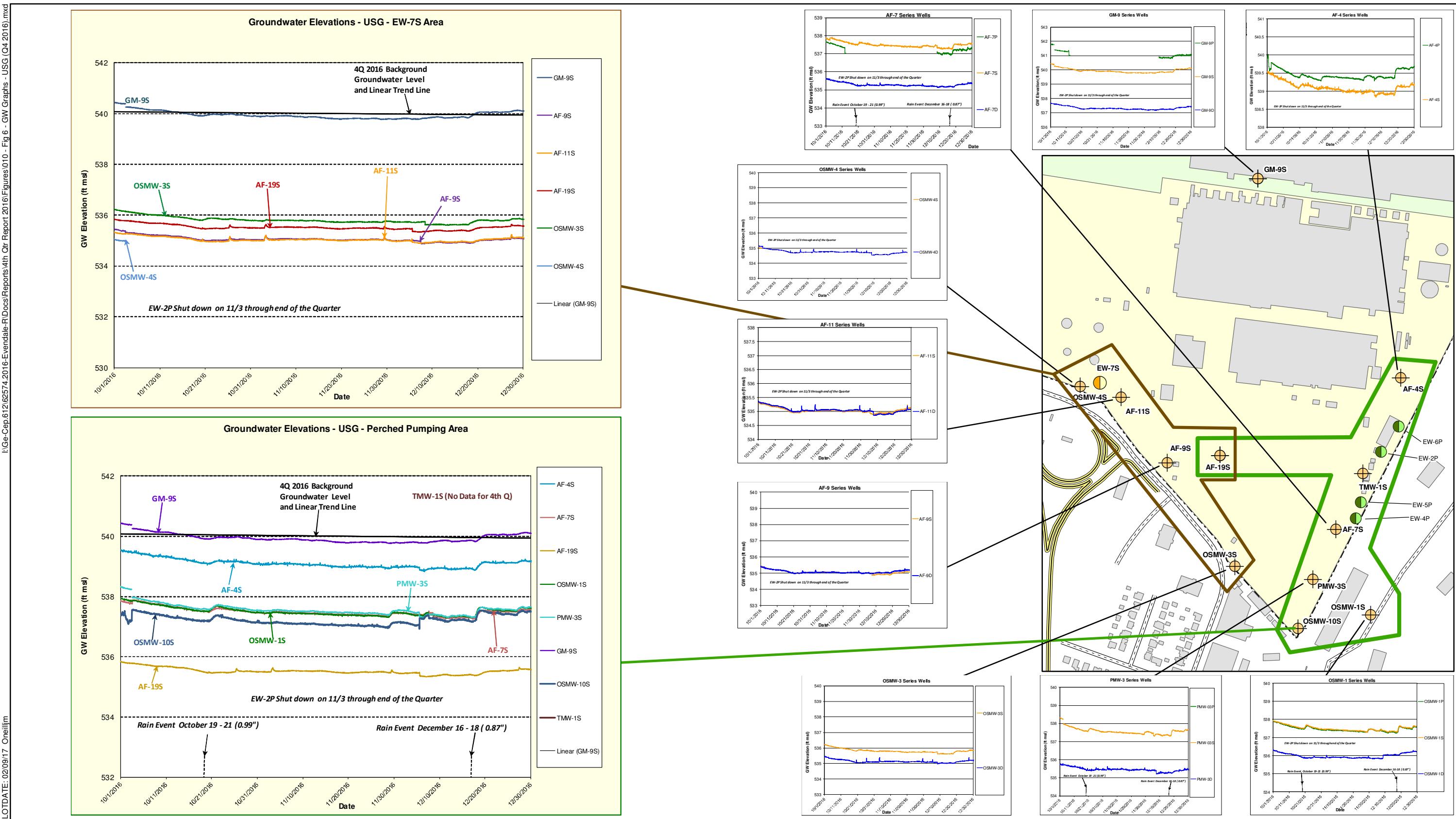
- PERCHED MONITORING WELL
- PERCHED EXTRACTION WELL

GE
EVENDALE, OHIO

0 100 200 400 600 800
Feet

**GROUNDWATER ELEVATION HYDROGRAPHS
PERCHED ZONE
2016 4th QUARTER**



**LEGEND**

- USG MONITORING WELL
- USG EXTRACTION WELL
- PERCHED EXTRACTION WELL

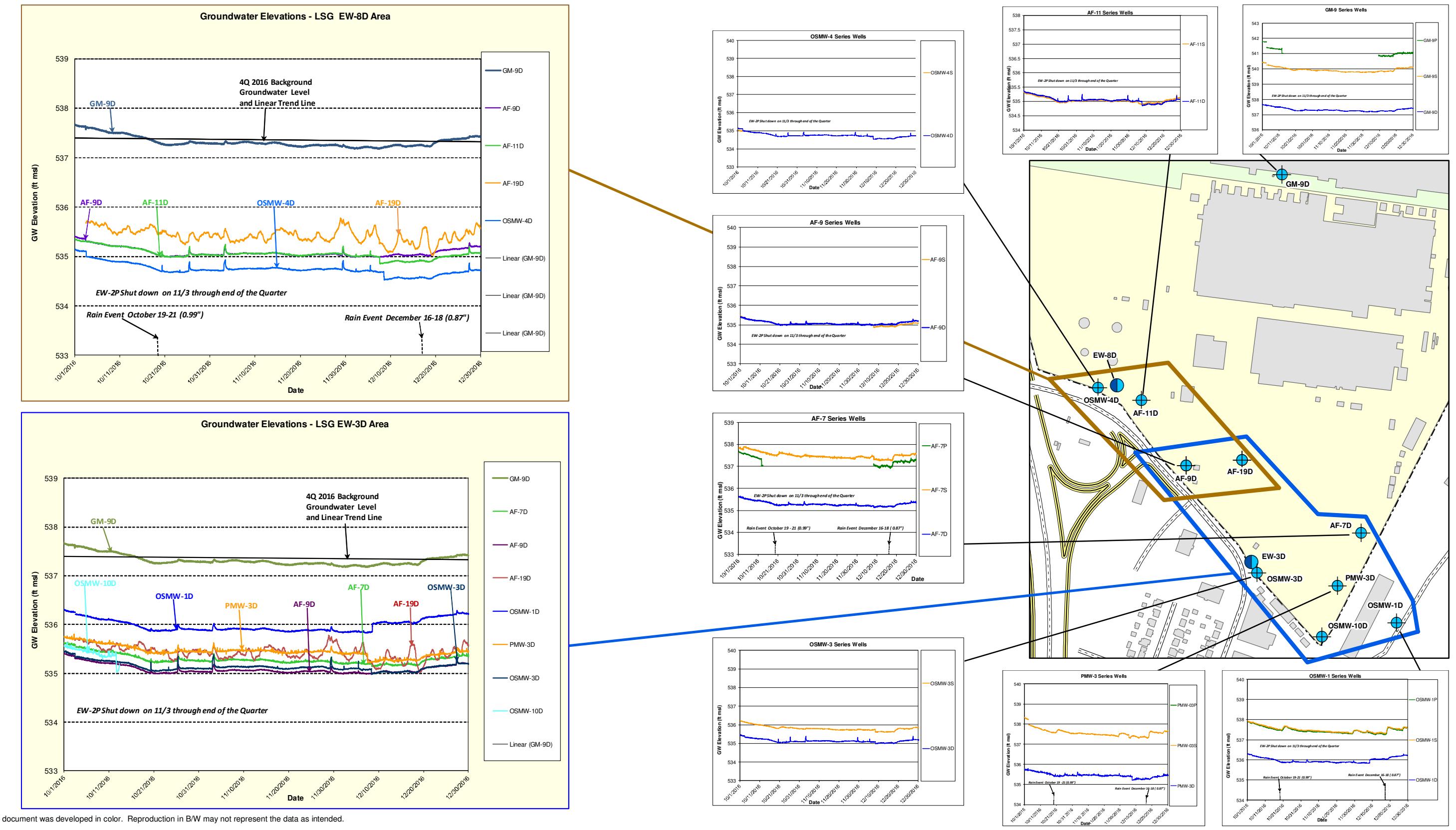
**GE
EVENDALE, OHIO**

0 100 200 400 600 800
Feet

**GROUNDWATER ELEVATION HYDROGRAPHS
USG
2016 4th QUARTER**

O'BRIEN & GERÉ ENGINEERS, INC.

FIGURE 7

**LEGEND**

- LSG MONITORING WELL
- LSG EXTRACTION WELL

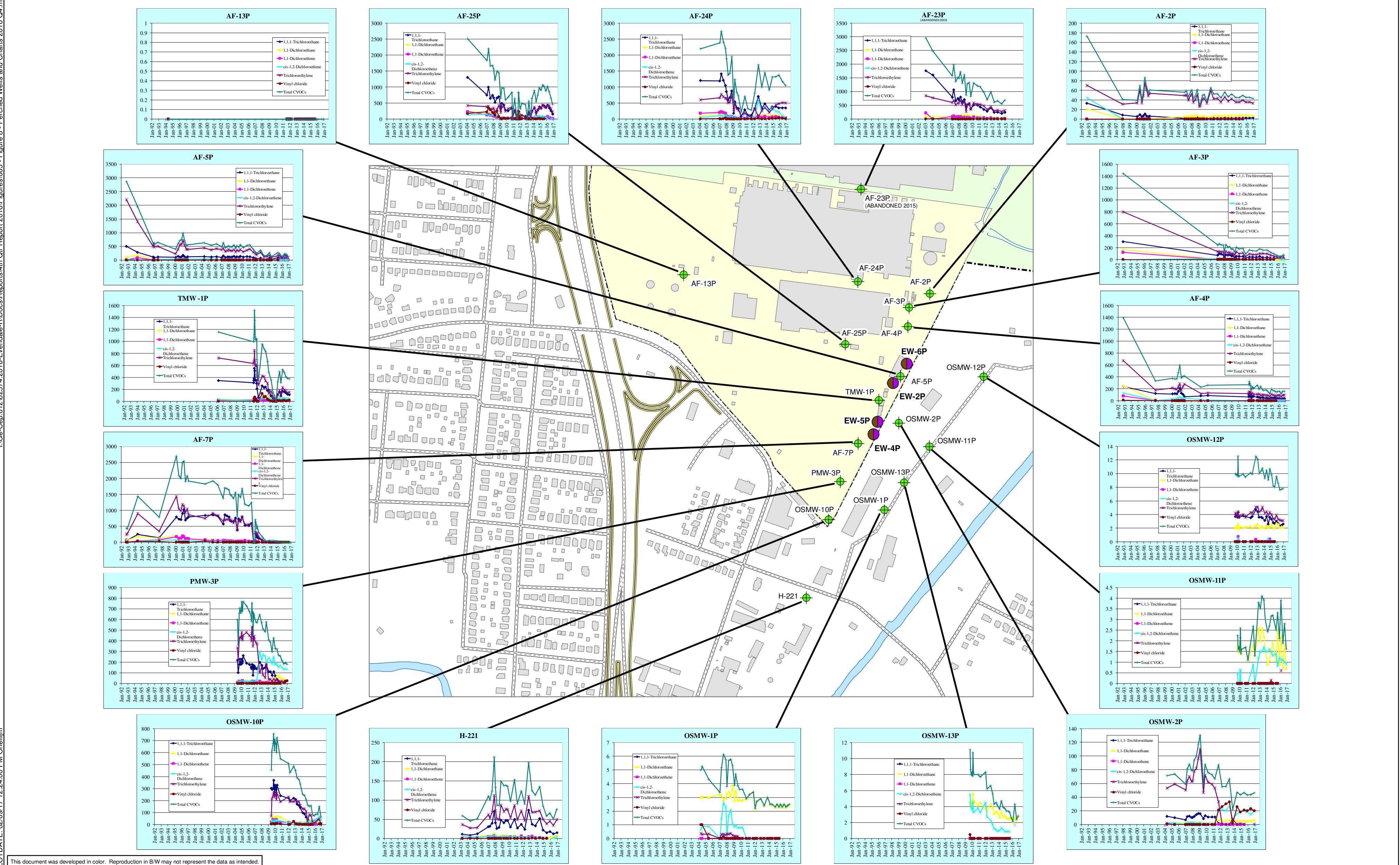
GE
EVENDALE, OHIO

0 100 200 400 600 800
Feet

**GROUNDWATER ELEVATION HYDROGRAPHS
LSG**
2016 4th QUARTER



FIGURE 8

**LEGEND**

● PERCHED ZONE MONITORING WELL - GROUNDWATER
SAMPLE COLLECTED FOR ANALYTICAL ANALYSIS

● PERCHED ZONE EXTRACTION WELL

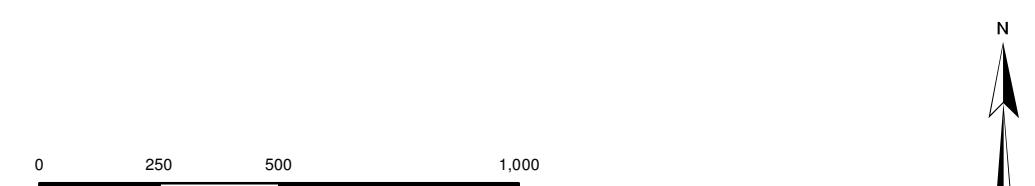
GRAPH KEY

● 1,1,1-TRICHLOROETHANE	● 1,1-DICHLOROETHANE
● 1,1-DICHLOROETHENE	● CIS-1,2-DICHLOROETHENE
● TRICHLOROETHYLENE	● VINYL CHLORIDE
● TOTAL CVOCs	

NOTES:
1. RESULTS ARE SHOWN IN ug/l.
2. NON-DETECTED RESULTS ARE SHOWN AT THE X AXIS.
3. CONCENTRATION SCALE MAY VARY BY GRAPH.

GE
EVENDALE, OHIO

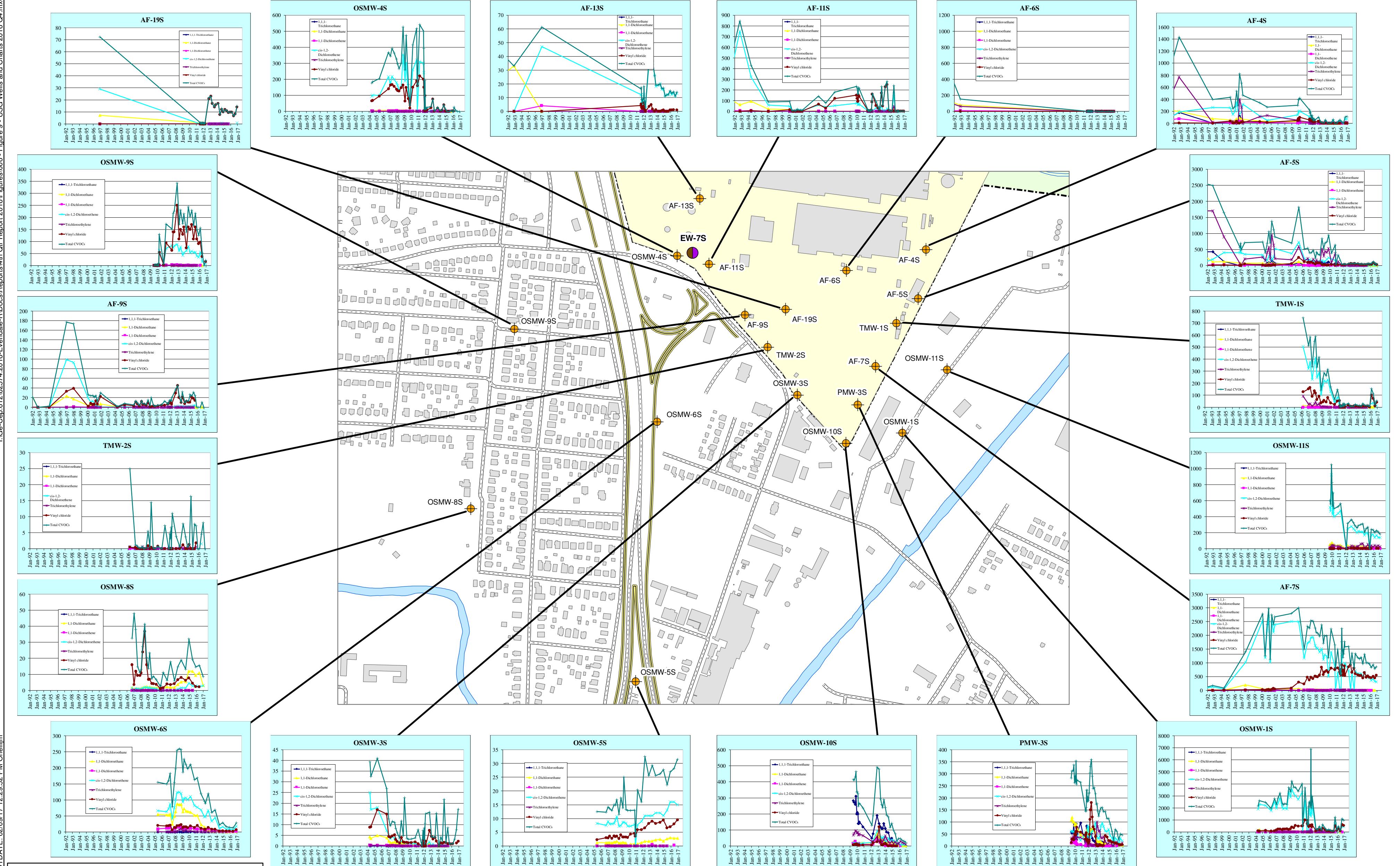
0 250 500 1,000
Feet



**PERCHED ZONE
HISTORICAL GROUNDWATER
ANALYTICAL RESULTS
FOR IRM MONITORING WELLS**



FIGURE 9



This document was developed in color. Reproduction in B/W may not represent the data as intended.

LEGEND

● USG MONITORING WELL - GROUNDWATER SAMPLE COLLECTED FOR ANALYTICAL ANALYSIS
 ● USG EXTRACTION WELL

GRAPH KEY	
● 1,1,1-TRICHLOROETHANE	● 1,1-DICHLOROETHANE
● 1,1-DICHLOROETHENE	● CIS-1,2-DICHLOROETHENE
● TRICHLOROETHYLENE	● VINYL CHLORIDE
● TOTAL CVOCs	

NOTES:
 1. RESULTS ARE SHOWN IN ug/L
 2. NON-DETECTED RESULTS ARE SHOWN AT THE X AXIS
 3. CONCENTRATION SCALE MAY VARY BY GRAPH

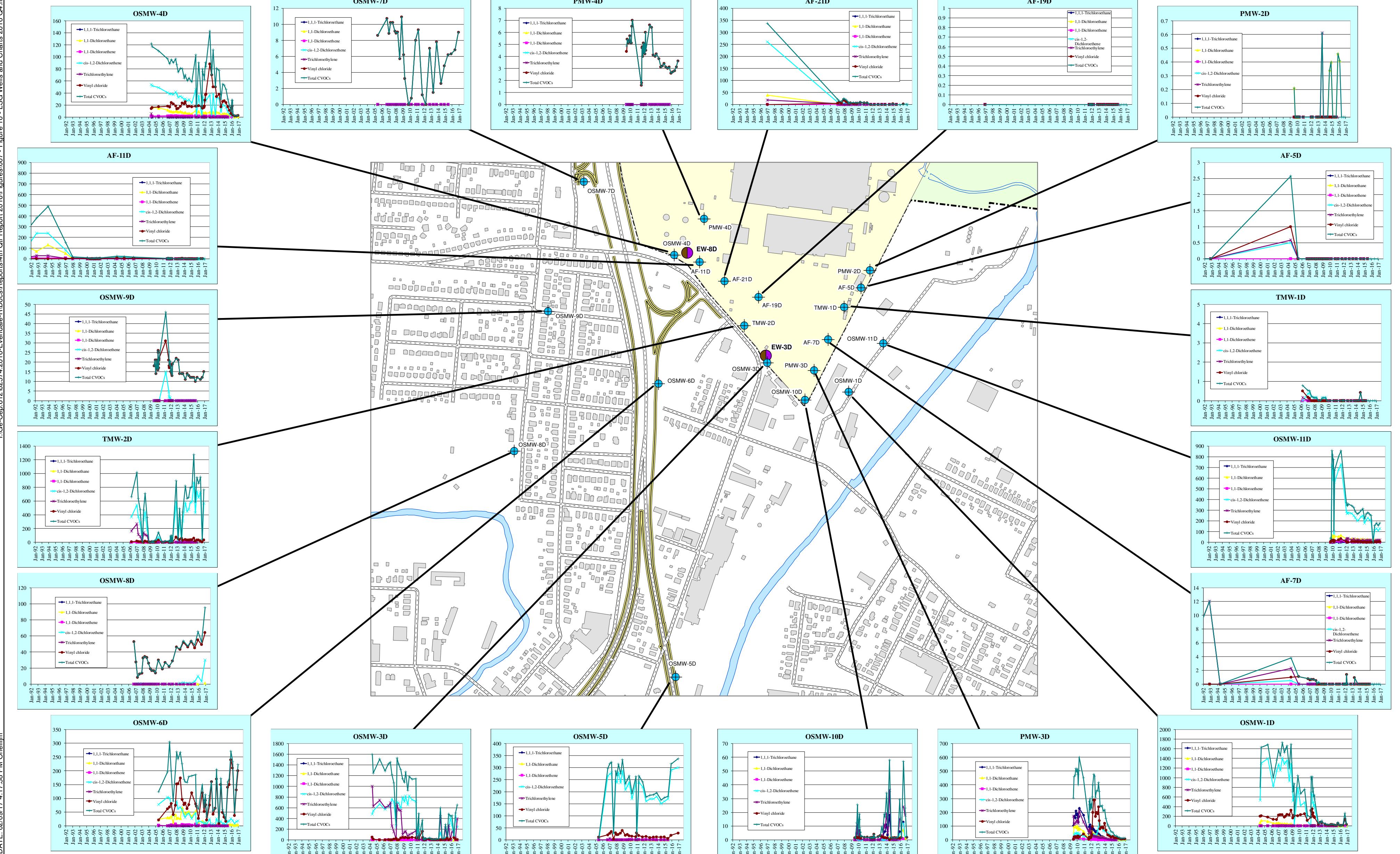
GE
EVENDALE, OHIO

0 250 500 1,000
Feet



UPPER SAND AND GRAVEL (USG) HISTORICAL GROUNDWATER ANALYTICAL RESULTS FOR IRM MONITORING WELLS

FIGURE 10



This document was developed in color. Reproduction in B/W may not represent the data as intended.

LEGEND

- PERCHED ZONE MONITORING WELL - GROUNDWATER SAMPLE COLLECTED FOR ANALYTICAL ANALYSIS
- PERCHED ZONE EXTRACTION WELL

GRAPH KEY

- | | |
|-------------------------|--------------------------|
| ● 1,1,1-TRICHLOROETHANE | ● 1,1-DICHLOROETHANE |
| ● 1,1-DICHLOROETHENE | ● CIS-1,2-DICHLOROETHANE |
| ● TRICHLOROETHYLENE | ● VINYL CHLORIDE |
| ● TOTAL CVOCs | |

NOTES:
1. RESULTS ARE SHOWN IN ug/l.
2. NON-DETECTED RESULTS ARE SHOWN AT THE X AXIS.
3. CONCENTRATION SCALE MAY VARY BY GRAPH.

GE
EVENDALE, OHIO

0 250 500 1,000
Feet

LOWER SAND AND GRAVEL (LSG) HISTORICAL GROUNDWATER ANALYTICAL RESULTS FOR IRM MONITORING WELLS



O'BRIEN & GERE ENGINEERS, INC.

DECEMBER 2016

612\62574

FIGURE 11
Total CVOC Concentration Plots – Extraction Wells

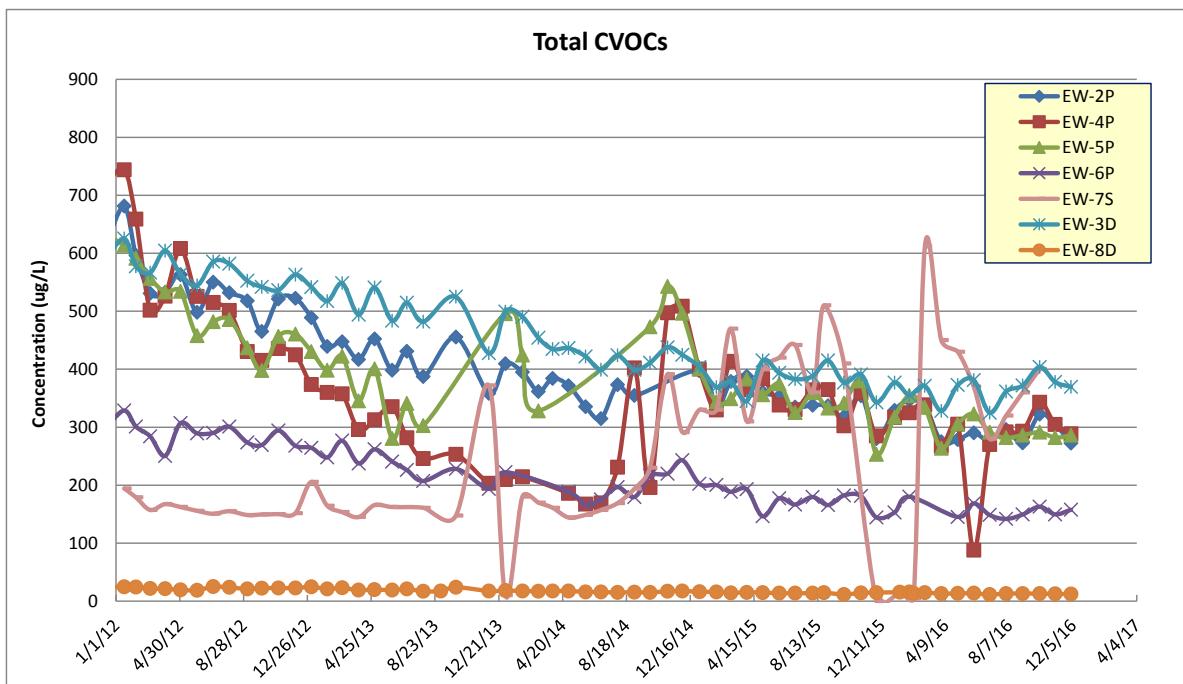
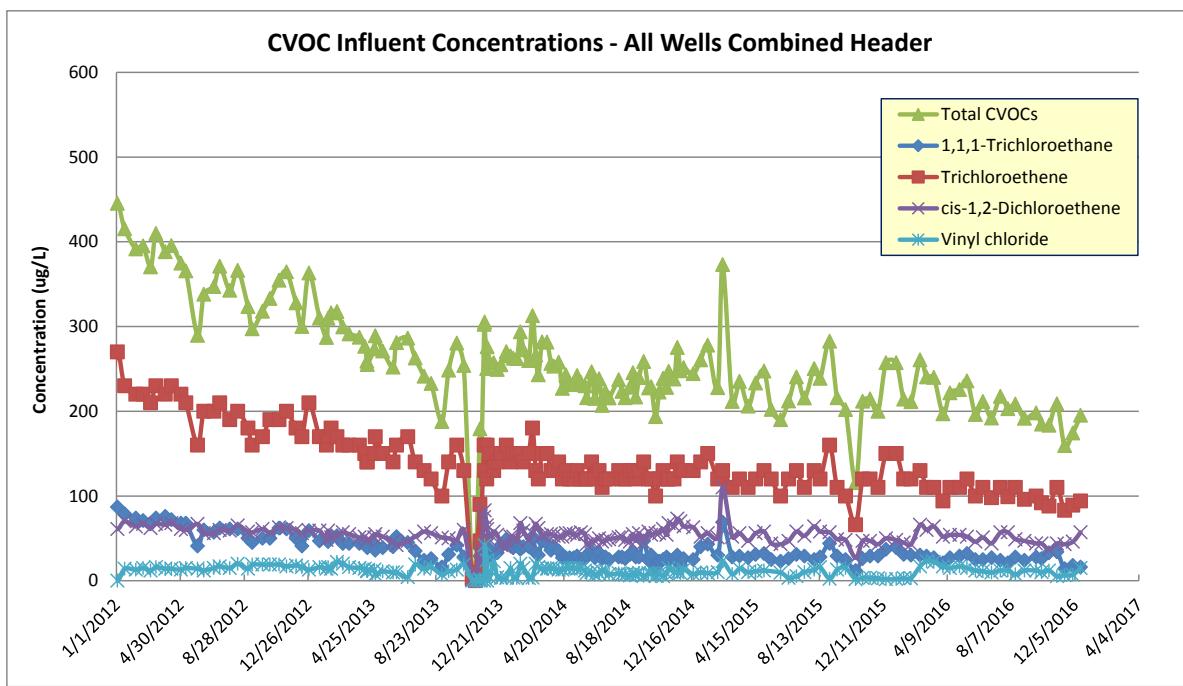


FIGURE 11
Total CVOC Concentration Plots – Extraction Wells

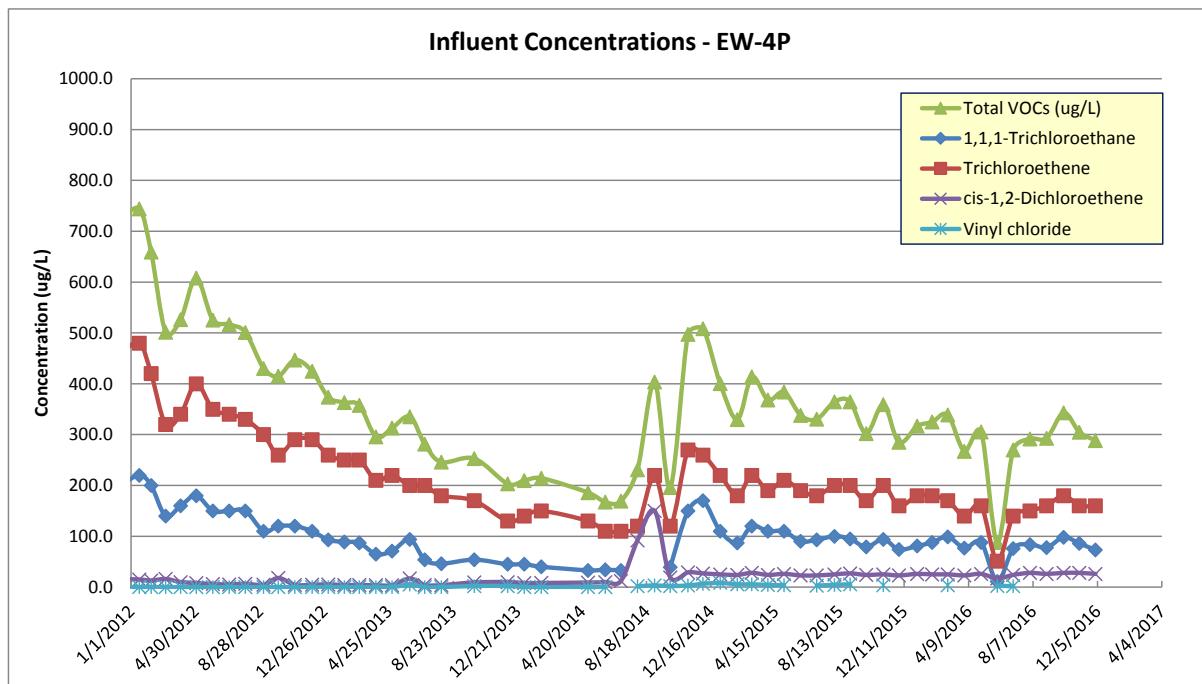
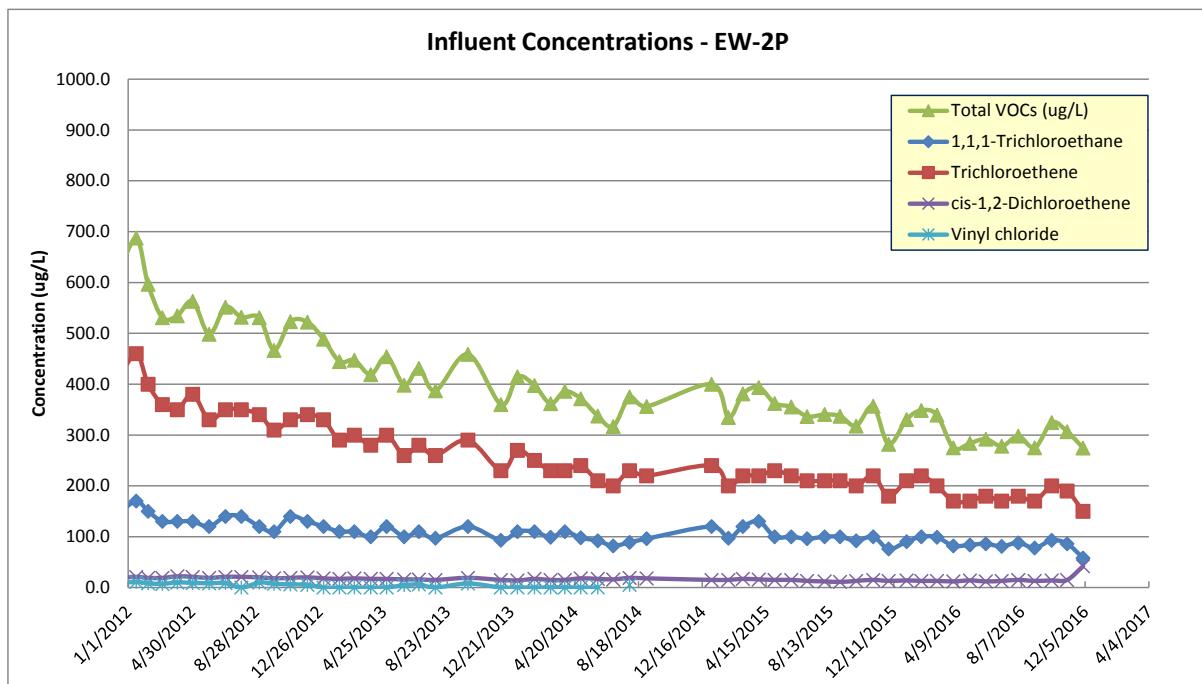


FIGURE 11
Total CVOC Concentration Plots – Extraction Wells

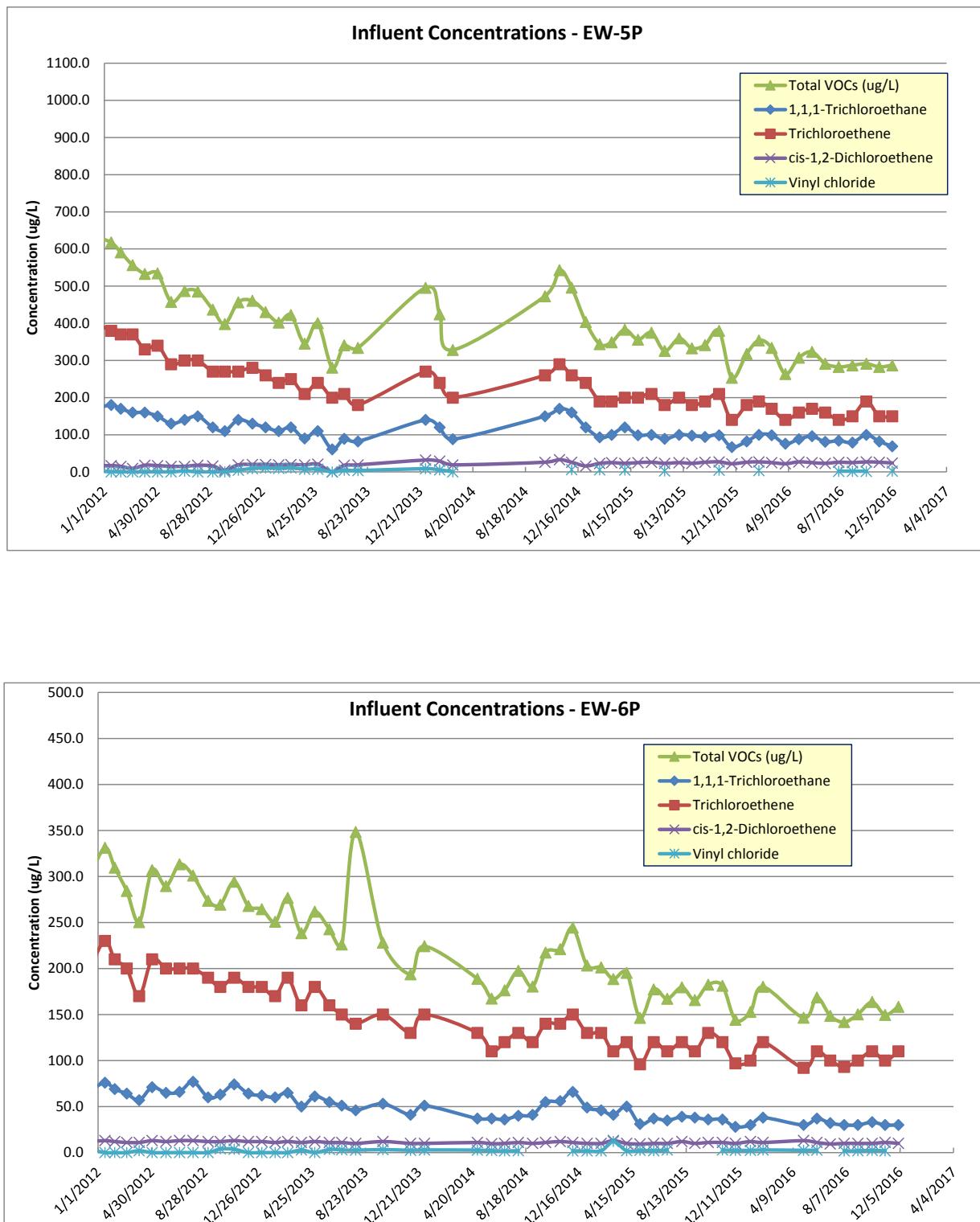


FIGURE 11
Total CVOC Concentration Plots – Extraction Wells

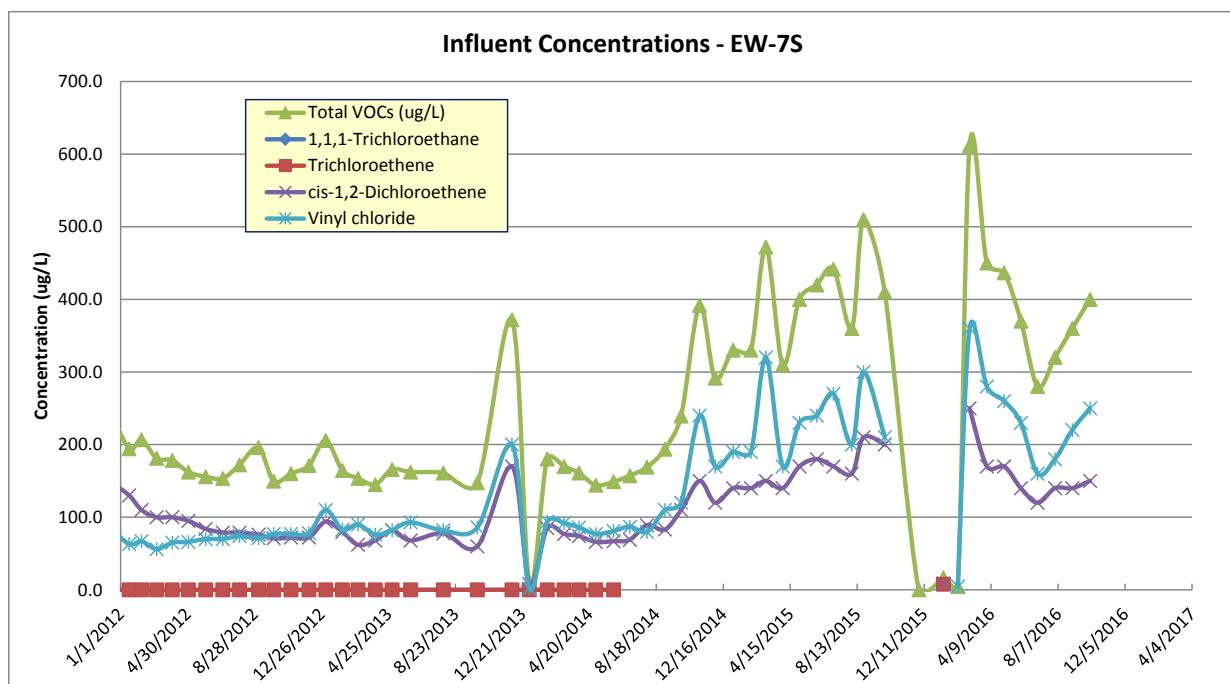
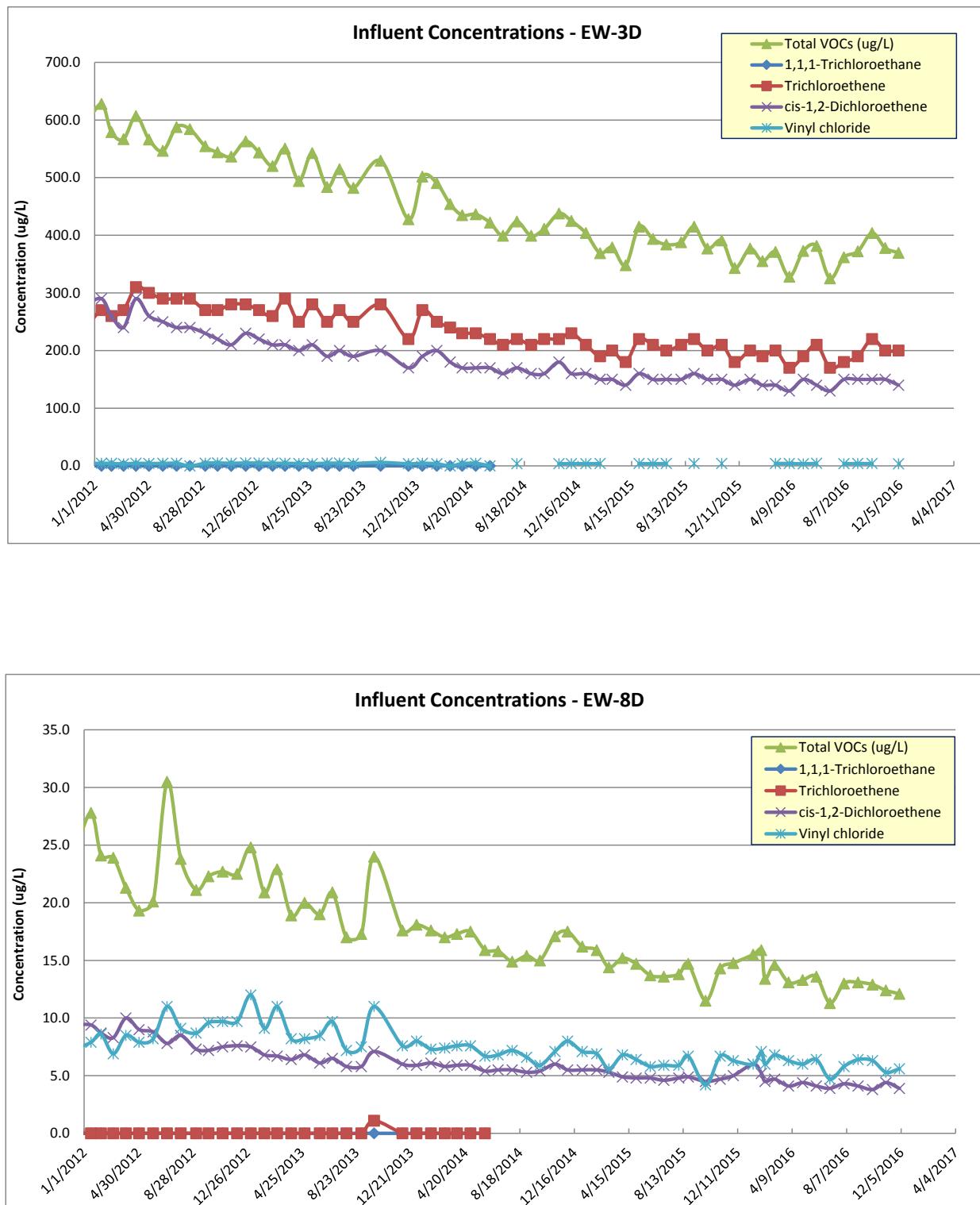


FIGURE 11
Total CVOC Concentration Plots – Extraction Wells



Appendices

**Appendix A-1 – IRM
Groundwater Sampling
Program QA/QC Results
and Data Validation**

APPENDIX A-1 QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

Level A data verification was performed by O'Brien & Gere Engineers, Inc. to assess groundwater IRM performance monitoring data quality for samples collected during the Fourth Quarter 2016 (December 5, 2016 through December 8, 2016). Data verification was performed in accordance with the *IRM Performance Monitoring Plan* dated December 2010. The data verification level (Level A) for the performance samples was selected based upon data use (screening and trend analysis) and the quality of the laboratory data. Data verification was utilized to confirm the quality of the laboratory (TestAmerica Buffalo, Inc. (TA Buffalo) of Amherst, New York), which has an established record of acceptable quality for target analyte data from the routine groundwater IRM performance monitoring program. The Level A data verification included review of: (1) laboratory documentation, (2) chain-of-custody (COC) documentation, (3) target analyte results, (4) laboratory data qualifiers, (5) laboratory quantitation limits and method detection limits, (6) laboratory blank analysis, and (7) quality control samples.

The results of the Level A data verification indicated the following:

- Laboratory documentation was complete.
- Chain-of-custody (COC) documentation was complete.
- Target analyte results and data qualifiers were reported in accordance with the project requirements.
- Laboratory blank and trip blank analysis did not indicate evidence of artifacts from the sampling or analytical process; therefore, the associated data is usable as reported.
- Laboratory quantitation limits are within the limits listed in the QAPP, except for acetone and 2-butanone which were reported as 10 µg/l (SAP QLs are 5 µg/l). The reporting limits for acetone and 2-butanone reported by TA Buffalo were revised from 5 µg/l to 10 µg/l.
- The matrix spike/matrix spike duplicate (MS/MSD) recoveries were within control limits, except for the MS/MSD recoveries and precision for analytical batches 480-335269 which was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) and matrix spike (MS) recoveries were within acceptance limits, therefore; the associated data is usable as reported.
- The surrogate recoveries for the samples were within control limits.
- The continuing calibration verification (CCV) results were within control limits, except for the CCV associated with batch 480-335549 due to recovery below the lower control limit (low biased) for 2-Hexanone, 4-Methyl-2-pentanone (MIBK) and 2-Butanone (MEK). A reporting limit (RL) standard was analyzed, and the target analytes were detected. The samples associated with this CCV were non-detects for the affected analytes; therefore, the associated data is usable as reported.
- The laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were within control limits.
- Four samples (plus the MS/MSD samples for TMW-1P) were diluted to bring the target analytes into the calibration range: OSMW-11D-120716, OSMW-11S-120616, PMW-3P-120516, TMW-1P-120516, TMW-1P (MS), TMW-1P (MSD). Elevated reporting limits are provided.

The overall usability for the performance monitoring data is acceptable for the intended use.

**Appendix A-2 – Second
Semiannual Groundwater
Sampling Program Data
Validation Report**

FROM: Karen Storne
RE: GE Aviation, Semiannual Groundwater Monitoring Program Data Validation Report
FILE: 10361/62574.090.016
DATE: March 30, 2017

cc: C. Yantz
R. Boone

This Data Validation Report presents the results of data validation performed for samples collected by O'Brien & Gere in December 2016 as part of the General Electric (GE) Annual Groundwater Monitoring program at the Evendale, Ohio facility.

TestAmerica Buffalo, Inc. (TA Buffalo) of Amherst, New York performed the laboratory analyses for this sampling event. The laboratory packages contained summary forms for quality control analysis and supportive raw data.

The analysis performed for this sampling event is summarized in Table 1.

Table 1. Analytical Methods and References

Parameter	Method	Reference
VOCs	USEPA Methods 5030C/8260C	1

Note:

1. USEPA. 2006. *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-84*. Washington D.C.
VOCs indicates volatile organic compounds.

Source: O'Brien & Gere

The samples listed in the attached Table 2 were submitted for data validation. Table 3 presents the specific data validation approach applied to data generated for this sampling program. Definitions of laboratory QA/QC terms are presented in Table 4.

Full validation was performed on the samples collected for this sampling event.

The analytical data generated for this investigation were evaluated by O'Brien & Gere using the quality assurance/quality control (QA/QC) information presented in the method and the following document:

- O'Brien & Gere. 2009. *Sampling and Analysis Plan (SAP), General Electric Company, Evendale, Ohio*. Farmington Hills, Michigan.

Data affected by excursions from criteria presented in the method and the SAP is qualified using professional judgment and guidance provided in the following document:

- USEPA. 2008. *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA-540-R-08-01*. Washington D.C.

The application of these validation guidelines has been modified to reflect the requirements of the method utilized by the laboratory.

MARCH 30, 2017

PAGE 2

The data validation included evaluating the following parameters:

- SAP compliance
- Chain-of-custody records
- Sample shipment
- Sample collection
- Holding times and sample preservation
- Calibrations
- Blank analysis
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Laboratory control sample (LCS) analysis
- Field duplicate analysis
- Surrogate recoveries
- Internal standards performance
- Gas chromatography/mass spectrometry (GC/MS) instrument check
- Target analyte quantification, identification, and quantitation limits (QLs)
- Documentation completeness

The following sections of this memorandum present the results of the comparison of the analytical data to the QA/QC criteria specified in methods and the SAP and the qualifiers assigned to the data when the QA/QC criteria were not met. Additional observations are also presented in the following sections.

SAP COMPLIANCE

The target analyte list reported by TA Buffalo was consistent with the revised target list provided for this project.

For the target analytes reported by TA Buffalo, the laboratory QLs were less than or equal to the SAP QLs, with the following exceptions: the laboratory QLs for acetone and 2-butanone were reported as 10 ug/L and the SAP QLs are listed as 5 ug/L.

CHAIN-OF-CUSTODY RECORDS

For samples collected 12/6/16 and 12/8/16, the courier name, Federal Express, was not listed on chain-of-custody records.

VOC DATA EVALUATION SUMMARY

The following QA/QC parameters were found to meet method and validation criteria or did not result in additional qualification of sample results:

- Sample shipment
- Sample collection
- Holding times and sample preservation
- LCS analysis
- MS/MSD analysis
- Field duplicate analysis
- Surrogate recoveries
- Internal standards performance
- GC/MS instrument check
- Target analyte identification

MARCH 30, 2017

PAGE 3

- Documentation completeness

Excursions from method or validation criteria and additional observations are described below.

I. Blank analysis

The following results were qualified as non-detected (U) due to minor blank representative excursions:

- Acetone in samples AF-7D-120816, AF-7P-120816, OSMW-4D-120816, OSMW-6D-120816, OSMW-7D-120816 and DUP-02-120816 [AF-7D-120816].
- Methylene in samples AOC-LDMW-1S-120616 and AF-25P-120616.

II. Calibrations

The following results were qualified as approximate (UJ, J) due to minor calibration accuracy excursions:

- Acetone, 2- butanone, 4-methyl-2-pentanone and 2-hexanone in samples AOC-LDMW-1S-120616, AOC-PSTMW-1SR-120616, AOC-PSTMW-2S-120616, AF-2P-120616, AF-3P-120616, AF-5S-120616, AF-25P-120616, AF-24P-120616 and TRIP BLANK-120616.
- Acetone in sample AF-5P-120616.
- Chloromethane in sample DUP-02-120816 [AF-7D-120816].
- Vinyl chloride, 4-methyl-2-pentanone and 2-hexanone in samples OSMW-8S-122816 and Trip Blank-122816.

III. Target analyte quantitation and QLs

Sample results for VOCs were reported using undiluted and diluted analyses due to elevated concentrations of target analytes.

The laboratory applied the qualifier "J" when the analyte concentration was greater than the MDL but less than the QL. This qualifier has been retained during the validation process to indicate that the result is considered to be approximate.

DATA USABILITY

This section evaluates data usability for samples based on QA/QC criteria established by the methods as listed in Table 1. Major deficiencies in the data generation process result in data being rejected, indicating that the data is considered unusable for either quantitative or qualitative purposes. Data were not rejected for this sampling event. Minor deficiencies in the data generation process result in sample data being characterized as approximate or non-detected. Data were qualified as approximate and non-detected for this sampling event.

A discussion of the data quality with regard to the parameters evaluated follows:

Precision: Data were not rejected for precision excursions.

Sensitivity: Dilutions were performed for analysis, which resulted in elevated QLs reported for this project.

Accuracy: Data were not rejected due to accuracy excursions.

Representativeness: Data were not rejected due to representativeness excursions.

MARCH 30, 2017

PAGE 4

Comparability: Standardized analytical methods, QLs, reference materials, and data deliverables were used throughout the data generation process for this project.

Completeness: Overall data usability with respect to completeness is 100 percent for the data set. Therefore, the data were identified as usable for qualitative and quantitative purposes.

Table 2. Sample Cross Reference Table

Laboratory	Date Collected	Laboratory ID	Client ID	Matrix	Analysis Requested
TA Buffalo	12/6/2016	480-110652-1	AOC-LDMW-1S-120616	Groundwater	VOCs
TA Buffalo	12/6/2016	480-110652-2	AOC-PSTMW-1SR-120616	Groundwater	VOCs
TA Buffalo	12/6/2016	480-110652-3	AOC-PSTMW-2S-120616	Groundwater	VOCs
TA Buffalo	12/6/2016	480-110652-4	AF-2P-120616	Groundwater	VOCs
TA Buffalo	12/6/2016	480-110652-5	AF-3P-120616	Groundwater	VOCs
TA Buffalo	12/6/2016	480-110652-6	AF-5P-120616	Groundwater	VOCs
TA Buffalo	12/6/2016	480-110652-7	AF-5S-120616	Groundwater	VOCs
TA Buffalo	12/6/2016	480-110652-8	AF-25P-120616	Groundwater	VOCs
TA Buffalo	12/6/2016	480-110652-9	AF-24P-120616	Groundwater	VOCs
TA Buffalo	12/6/2016	480-110652-10	TRIP BLANK-120616	Aqueous	VOCs
TA Buffalo	12/7/2016	480-110778-1	TMW-1S-120716	Groundwater	VOCs
TA Buffalo	12/7/2016	480-110778-2	TMW-2S-120716	Groundwater	VOCs
TA Buffalo	12/7/2016	480-110778-3	AF-9S-120716	Groundwater	VOCs
TA Buffalo	12/7/2016	480-110778-4	OSMW-2P-120716	Groundwater	VOCs
TA Buffalo	12/7/2016	480-110778-5	OSMW-1P-120716	Groundwater	VOCs
TA Buffalo	12/7/2016	480-110778-6	OSMW-1S-120716	Groundwater	VOCs
TA Buffalo	12/7/2016	480-110778-7	H-221-120716	Groundwater	VOCs
TA Buffalo	12/7/2016	480-110778-8	OSMW-5D-120716	Groundwater	VOCs
TA Buffalo	12/7/2016	480-110778-9	OSMW-5S-120716	Groundwater	VOCs
TA Buffalo	12/7/2016	480-110778-10	TRIP BLANK-120716	Aqueous	VOCs
TA Buffalo	12/8/2016	480-110853-1	OSMW-3S-120816	Groundwater	VOCs
TA Buffalo	12/8/2016	480-110853-2	OSMW-3D-120816	Groundwater	VOCs
TA Buffalo	12/8/2016	480-110853-3	TMW-1D-120816	Groundwater	VOCs
TA Buffalo	12/8/2016	480-110853-4	AF-5D-120816	Groundwater	VOCs
TA Buffalo	12/8/2016	480-110853-4 MS	AF-5D-120816	Groundwater	VOCs
TA Buffalo	12/8/2016	480-110853-4 MSD	AF-5D-120816	Groundwater	VOCs
TA Buffalo	12/8/2016	480-110853-5	AF-21D-120816	Groundwater	VOCs
TA Buffalo	12/8/2016	480-110853-6	TMW-2D-120816	Groundwater	VOCs
TA Buffalo	12/8/2016	480-110853-7	AF-7D-120816	Groundwater	VOCs
TA Buffalo	12/8/2016	480-110853-7 MS	AF-7D-120816	Groundwater	VOCs
TA Buffalo	12/8/2016	480-110853-7 MSD	AF-7D-120816	Groundwater	VOCs
TA Buffalo	12/8/2016	480-110853-8	AF-7S-120816	Groundwater	VOCs
TA Buffalo	12/8/2016	480-110853-9	AF-7P-120816	Groundwater	VOCs
TA Buffalo	12/8/2016	480-110853-10	OSMW-4S-120816	Groundwater	VOCs
TA Buffalo	12/8/2016	480-110853-11	OSMW-4D-120816	Groundwater	VOCs
TA Buffalo	12/8/2016	480-110853-12	OSMW-6S-120816	Groundwater	VOCs
TA Buffalo	12/8/2016	480-110853-13	OSMW-6D-120816	Groundwater	VOCs
TA Buffalo	12/8/2016	480-110853-14	OSMW-7D-120816	Groundwater	VOCs
TA Buffalo	12/8/2016	480-110853-15	OSMW-8D-120816	Groundwater	VOCs
TA Buffalo	12/8/2016	480-110853-16	OSMW-1D-120816	Groundwater	VOCs
TA Buffalo	12/8/2016	480-110853-17	DUP-01-120816 [AF-5D-120816]	Groundwater	VOCs
TA Buffalo	12/8/2016	480-110853-18	DUP-02-120816 [AF-7D-120816]	Groundwater	VOCs
TA Buffalo	12/8/2016	480-110853-19	TRIP BLANK-120816	Aqueous	VOCs
TA Buffalo	12/28/2016	480-111627-1	OSMW-8S-122816	Groundwater	VOCs
TA Buffalo	12/28/2016	480-111627-2	Trip Blank-122816	Aqueous	VOCs

Note:

TA Buffalo indicates TestAmerica of Amherst, New York

VOCs indicates volatile organic compounds.

MS/MSD indicates matrix spike/matrix spike duplicate.

The location in brackets indicates the field duplicate sampling location.



TABLE 3

<i>O'Brien & Gere Data validation approach using USEPA National Functional Guidelines for Non-CLP Methods</i>	
Laboratory Methods and Data Validation Approach	The O'Brien & Gere data validation approach utilizes the <u>methods</u> applied by the laboratory to evaluate data. USEPA National Functional Guidelines address data validation of Contract Laboratory Program (CLP) methods. If excursions from the <u>method</u> quality control requirements are identified, O'Brien & Gere applies a similar approach as used in the USEPA National Functional Guidelines (1999) to apply validation qualifiers to the data associated with the excursions.
General Validation Approach	<p>The validation approach taken by O'Brien & Gere is a conservative one; qualifiers are applied to sample data to indicate both major and minor excursions so that data associated with any type of excursion are identified to the data user. Major excursions result in data being rejected (R), indicating that the data are considered unusable for either quantitative or qualitative purposes. Minor excursions result in sample data being qualified as approximate (J, UJ, JN) or non-detected (U) that is otherwise usable for quantitative or qualitative purposes.</p> <p>Excursions are subdivided into excursions that are within the laboratory's control and those that are a result of site conditions. Excursions involving laboratory control sample recovery, calibration response, method blank excursions, low or high spike recovery due to inaccurate spiking solutions or poor instrument response, holding times, interpretation errors, and quantitation errors are within the control of the laboratory. Excursions resulting from matrix spike recovery, serial dilution recovery, surrogate, and internal standard performance due to interference from the matrix of the samples are examples of those excursions that are due to site conditions and are not within the laboratory's control if the laboratory has followed proper method procedures, including performing appropriate cleanup techniques.</p>
Applying professional judgment	USEPA National Functional Guidelines allow professional judgment to be used when applying qualifiers in some cases. When utilizing professional judgment, justification for actions taken will either be provided in the associated report or will be available upon request.
Validation Parameter	<p>O'Brien & Gere Data Validation Approach based on:</p> <ul style="list-style-type: none"> • USEPA. 2008. <i>USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review</i>, EPA-540-R-08-01. Washington D.C. • USEPA. 2010. <i>USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review</i>, EPA-540-R-10-011. Washington D.C.
Validation Qualifiers - Organics	<p>U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the quantitation limit (QL).</p> <p>J - The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the QL).</p> <p>NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.</p> <p>UJ - The analyte was not detected at a level greater than or equal to the QL. However, the QL is approximate and may be inaccurate or imprecise.</p> <p>R - The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.</p> <p>C - This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).</p> <p>X - This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.</p>
Cooler Temperature	<p>Results for samples submitted for organic analyses that are impacted by coolers that did not contain ice, or if the ice melted upon receipt and the cooler temperatures are greater than 10°C, are qualified as approximate (UJ, J).</p> <p>If samples are delivered to the laboratory the same day as sample collection and samples did not have sufficient time to reach 10°C, samples are not qualified, unless proper preservation was not provided for samples between sample collection and sample receipt at the laboratory.</p> <p>Results for samples received at ambient temperature involved in extended shipment-day issues may be rejected, applying professional judgment.</p>
Holding Time for Organics	<p>Results for samples properly preserved and analyzed outside of but less than two times the holding time window established in the method or the QAPP for preparation and/or analysis are qualified as approximate (UJ, J).</p> <p>Non-detected results for samples properly preserved and analyzed greater than two times the holding time window for preparation and/or analysis are <u>rejected</u> (R).</p> <p>Detected results for samples properly preserved and analyzed greater than two times the holding time</p>

TABLE 3

<i>O'Brien & Gere Data validation approach using USEPA National Functional Guidelines for Non-CLP Methods</i>	
	window for preparation and/or analysis are qualified as approximate (J). The entire sample target list for a VOC sample impacted by a holding time excursion is qualified.
Calibration Actions for VOCs	<p>Due to relative standard deviation (RSD) calibration excursions, detected results for analytes in samples associated with the calibration are qualified as approximate (J). Non-detected results associated with RSD excursions may be qualified as approximate (UJ) based on professional judgment.</p> <p>If the RSD calibration excursion is greater than 90 for VOC, detected results for analytes in samples associated with the calibration are qualified as approximate (J) and non-detected results may be <u>rejected</u> (R), applying professional judgment.</p> <p>Due to %D calibration verification excursions, detected and non-detected results for analytes in samples associated with the calibration are qualified as approximate (J, UJ). The response direction and detection of target analytes in associated sample may be considered in applying qualifiers.</p> <p>For response factor excursions, detected results are qualified as approximate (J) and non-detected results are <u>rejected</u> (R).</p> <p>For initial calibration verifications (ICV) excursions, detected and non-detected results for analytes in samples associated with the calibration are qualified as approximate (J, UJ). The response direction and detection of target analytes in associated sample may be considered in applying qualifiers.</p>
VOCS Instrument Performance Evaluation	<p>IP requirements may not apply when Selected Ion Monitoring (SIM) is used for analysis. Refer to the laboratory SOP.</p> <p>If IP fails 12-hour clock time frequency or ion abundance criteria, associated sample results are <u>rejected</u> (R).</p>
VOCs Calibration Evaluation (8260C)	<p>VOC target analytes are evaluated using the criteria of 20 percent relative standard deviation (%RSD) or correlation coefficient of 0.990 for initial calibration curves.</p> <p>Calibration verifications are evaluated using a criterion of 20 percent difference (%D).</p> <p>Initial calibrations and calibration verifications are also evaluated using the response factor (RF) criteria described in the method. If criterion is not specified in the method, the RF of 0.05 is applied, using professional judgment for poor responding analytes.</p> <p>ICV recoveries are evaluated using laboratory control limits if available or 70 to 130%.</p>
Associating samples with Field and Laboratory QC Samples	Trip blanks are associated with samples in the same sample cooler.
	Equipment blanks (Rinsate blanks) are associated with samples collected in the same day (or sampling event) using the same sample collection equipment and decontamination solutions. When sampling equipment or decontamination solutions are changed, a new equipment blank should be collected. Each sample should be associated with one equipment blank, which is collected as close to the sample collection date/time as possible. Use professional judgment.
	Field blanks are associated with the sample containers used to collect samples. When sampling container lots are changed, a new field blank should be collected.
	Method blanks are associated with samples prepared at the same time (if preparation is required) or analyzed in the same analytical batch as the samples. Method blanks should reflect the sample matrix type (aqueous, low level solid, medium level solid).
	LCSs are associated with samples prepared at the same time (if preparation is required) or analyzed in the same analytical batch as the samples.
	MS/MSD and laboratory duplicate samples are collected in the field. The laboratory must prepare using project samples. MS/MSDs and laboratory duplicates are associated with samples prepared at the same time or close to the same time (if preparation is required) with the same matrix type.
	Field duplicates are collected in the field and are associated with samples of the same matrix type.
Evaluation and Action for MS/MSD, LCS, Surrogate and Laboratory Duplicate Data for VOCs	In the case that insufficient QC samples are provided due to field or laboratory problems, use professional judgment to associate each sample with a QC sample that reflects the sample matrix and analysis conditions.
	If insufficient QC samples are available to properly associate samples, record the impact in the DV notes.
	The laboratory control limit (CL) is used to assess MS/MSD, LCS, surrogate and laboratory duplicate data. Refer to Region II guidelines if laboratory control limits are not available.
	In the case that excursions are identified in more than one quality control sample of the same matrix within one sample delivery group, samples are batched according to sample preparation or analysis date and qualified accordingly (see batching description above).
	If percent recoveries are less than laboratory CLs but greater than 10%, non-detected and detected results are

TABLE 3

<i>O'Brien & Gere Data validation approach using USEPA National Functional Guidelines for Non-CLP Methods</i>	
	<p>qualified as approximate (UJ, J).</p> <p>If percent recoveries are greater than laboratory CLs, detected results are qualified as approximate (J).</p> <p>If percent recoveries are less than 10%, detected results are qualified as approximate (J) and non-detected results are qualified as <u>rejected</u> (R).</p> <p>If RPDs for MSDs or laboratory duplicates are outside of laboratory CLs, detected results are qualified as approximate (J). Non-detected results may not be qualified, applying professional judgment.</p>
Evaluation and Actions for Blank Results (Method, Field, Equipment, Instrument, Storage) for VOC Data	<p>Blanks are not qualified due to contamination of another blank.</p> <p>Sample results qualified as non-detected (U) are treated as hits when qualifying for surrogate or calibration excursions.</p> <p>The following approach is utilized for applying qualifiers, using twice the quantitation limit (QL) for methylene chloride, 2-butanone, acetone:</p> <ol style="list-style-type: none"> For blank results less than the QL, samples with concentrations less than the QL are reported at the QL and qualified as non-detected (U). Samples with concentrations greater than or equal to the QL are not qualified or may apply the Blank Rule Option. For blank results greater than the QL, samples with concentrations less than the QL are reported at the QL and qualified as non-detected (U). Samples with concentrations greater than or equal to the QL and less than the blank contamination level are reported and qualified as non-detected (U). Samples with concentrations greater than or equal to the QL and greater than or equal to the blank contamination level are not qualified or may apply the Blank Rule Option. For blank results equal to the QL, sample concentrations less than the QL are reported at the QL value and qualified as non-detected (U). Samples greater than or equal to the QL are not qualified or may apply the Blank Rule Option. For gross contamination in blanks (saturated peaks, interference peaks, poor baselines), all associated sample detected results are <u>rejected</u> (R) or qualified as non-detected (U) using professional judgment. <p>Blank Rule Option:</p> <p>If methylene chloride, acetone or 2-butanone is detected in the sample at a concentration that is less than ten times the concentration in the associated blank, the sample result is qualified as "U". If other target analytes are detected in the sample at a concentration that is less than five times the concentration detected in the associated blank, the sample result is qualified as "U".</p>
Evaluation of MS/MSD, Surrogate, and Field Duplicate Data for VOCs	<p>Qualification is performed only when both MS and MSD recoveries are outside of laboratory CLs.</p> <p>Organic data are <u>rejected</u> (R) in the case that both MS/MSD recoveries are less than 10%.</p> <p>Qualification is not performed if MS/MSD or surrogate recoveries are outside of laboratory CLs with an analysis that applied a dilution factor of 10 times or more.</p> <p>Qualification of data associated with MS/MSD or field duplicate excursions is limited to the un-spiked sample or the field duplicate pair, respectively.</p> <p>Field duplicate data are evaluated against relative percent difference (RPD) criteria of less than 50 percent for aqueous samples and less than 100 percent for soils when results are greater than or equal to five times the QL. When a field duplicate result is less than five times the QL, a control limit of plus or minus two times the QL (difference criterion) is applied. If RPDs or differences are outside of criterion, detected and non-detected results are qualified as approximate (UJ, J) to indicate minor excursions.</p>
Evaluation of Internal Standards for VOCs	<p>Internal standard recoveries are evaluated using control limits of from 50% of the lower standard area to 100% of the upper standard area of the associated calibration verification standard.</p> <p>The results associated with internal standard area recoveries 25% or greater but less than 50% are qualified as approximate (J, UJ).</p> <p>Non-detected results associated with internal standard area recoveries less than 25% are <u>rejected</u> (R), using professional judgment.</p>
General Inorganic MS/MSD, LCS, Duplicate Data	<p>Laboratory established control limits are used to assess duplicate, MS/MSD, and LCS data.</p> <p>In the case that excursions are identified in more than one quality control sample of the same matrix within one sample delivery group, samples are batched according to sample preparation or analysis date and qualified accordingly.</p> <p>Qualification of inorganic data for MS/MSD analyses is performed when either MS or MSD percent recoveries are</p>

TABLE 3

<i>O'Brien & Gere Data validation approach using USEPA National Functional Guidelines for Non-CLP Methods</i>	
	outside of laboratory control limits.
	For inorganic analyses, if RPDs for MS/MSDs, laboratory duplicates, or field duplicates are outside of laboratory control limits, associated detected and non-detected results are qualified as approximate (UJ, J).
	Detected sample results associated with recoveries that are greater than the laboratory control limits are qualified as approximate biased high ($J^{(+)}$).
	Detected sample results associated with recoveries that both are greater than the laboratory control limits and less than the laboratory control limits or with one recovery outside of laboratory control limits, are qualified as approximate (J).
	Detected sample results associated with recoveries that are less than the laboratory control limits are qualified as approximate biased low ($J^{(-)}$).
	Non-detected sample results associated with recoveries that are less than the laboratory control limits but greater than or equal to 30 percent are qualified as approximate (UJ).
	Non-detected sample results associated with recoveries that are less than 30 percent are qualified as rejected (R).
Serial Dilution Data	Serial dilution results are evaluated by the laboratory for data with initial sample concentrations that are greater than 50 times the instrument detection limit (IDL), in accordance with the validation guidelines. Qualifiers are applied to data that exceeded the ten percent difference based on the laboratory evaluation summary form provided.
Total and Dissolved Concentration Comparisons	Total and dissolved metal concentrations are compared to a criterion of less than or equal to 10% using the equation (dissolved – total)/dissolved times 100. Sample results outside of the criterion are qualified as approximate (J).
Inorganic Blank Data	Concentrations in the associated samples greater than the QL but less than five times the associated blank concentration are qualified as undetected (U) when blank concentrations are less than the QL. For concentrations in the samples below the QL, the concentration is replaced with the QL and qualified as undetected (U).
	Non-detected concentrations in the associated samples associated with a negative blank concentration are qualified as approximate (UJ).
	Concentrations in the associated samples of greater than the QL but less than ten times the method or calibration blank concentration, when the calibration or method blank concentration is greater than the QL, are rejected (R).
	If analytes are detected in equipment blanks, sample concentrations less than the QL are replaced with the QL and qualified as undetected (U). Sample concentrations greater than the QL and less than five times the equipment blank concentration are qualified as undetected (U).

Source: O'Brien & Gere

Table 4. Laboratory QA/QC analyses definitions.

QA/QC Term	Definition
Quantitation limit	The level above which numerical results may be obtained with a specified degree of confidence; the minimum concentration of an analyte in a specific matrix that can be identified and quantified above the method detection limit and within specified limits of precision and bias during routine analytical operating conditions.
Method detection limit	The minimum concentration of an analyte that undergoes preparation similar to the environmental samples and can be reported with a stated level of confidence that the analyte concentration is greater than zero.
Instrument detection limit	The lowest concentration of a metal target analyte that, when directly inputted and processed on a specific analytical instrument, produces a signal/response that is statistically distinct from the signal/response arising from equipment "noise" alone.
Gas chromatography/mass spectrometry (GC/MS) instrument performance check	Performed to verify mass resolution, identification, and to some degree, instrument sensitivity. These criteria are not sample specific; conformance is determined using standard materials.
Calibration	Compliance requirements for satisfactory instrument calibration are established to verify that the instrument is capable of producing acceptable quantitative data. Initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of analysis and calibration verifications document satisfactory maintenance and adjustment of the instrument on a day-to-day basis.
Relative Response Factor	A measure of the relative mass spectral response of an analyte compared to its internal standard. Relative Response Factors are determined by analysis of standards and are used in the calculation of concentrations of analytes in samples.
Relative standard deviation	The standard deviation divided by the mean; a unit-free measure of variability.
Correlation coefficient	A measure of the strength of the relationship between two variables.
Relative Percent Difference	Used to compare two values; the relative percent difference is based on the mean of the two values, and is reported as an absolute value, i.e., always expressed as a positive number or zero.
Percent Difference	Used to compare two values; the percent difference indicates both the direction and the magnitude of the comparison, i.e., the percent difference may be either negative, positive, or zero.
Percent Recovery	The act of determining whether or not the methodology measures all of the target analytes contained in a sample.
Calibration blank	Consists of acids and reagent water used to prepare metal samples for analysis. This type of blank is analyzed to evaluate whether contamination is occurring during the preparation and analysis of the sample.
Method blank	A water or soil blank that undergoes the preparation procedures applied to a sample (i.e., extraction, digestion, clean-up). These samples are analyzed to examine whether sample preparation, clean-up, and analysis techniques result in sample contamination.
Field/equipment	Collected and submitted for laboratory analysis, where appropriate. Field/equipment blanks are handled in the same manner as environmental samples. Equipment/field blanks are analyzed to assess contamination introduced during field sampling procedures.
Trip blank	Consist of samples of analyte-free water that have undergone shipment from the sampling site to the laboratory in coolers with the environmental samples submitted for volatile organic compound (VOC) analysis. Trip blanks will be analyzed for VOCs to determine if contamination has taken place during sample handling and/or shipment. Trip blanks will be utilized at a frequency of one each per cooler sent to the laboratory for VOC analysis.
Internal standards performance	Compounds not found in environmental samples which are spiked into samples and quality control samples at the time of sample preparation for organic analyses. Internal standards must meet retention time and recovery criteria specified in the analytical method. Internal standards are used as the basis for quantitation of the target analytes.
Surrogate recovery	Compounds similar in nature to the target analytes but not expected to be detected in the environmental media which are spiked into environmental samples, blanks, and quality control samples prior to sample preparation for organic analyses. Surrogates are used to evaluate analytical efficiency by measuring recovery.
Laboratory control sample Matrix spike blank analyses	Standard solutions that consist of known concentrations of the target analytes spiked into laboratory analyte-free water or sand. They are prepared or purchased from a certified manufacturer from a source independent from the calibration standards to provide an independent verification of the calibration procedure. They are prepared and analyzed following the same procedures employed for environmental sample analysis to assess method accuracy independently of sample matrix effects.
Laboratory duplicate	Two or more representative portions taken from one homogeneous sample by the analyst and analyzed in the same laboratory.
Matrix	The material of which the sample is composed or the substrate containing the analyte of interest, such as drinking water, waste water, air, soil/sediment, biological material.
Matrix Spike (MS)	An aliquot of a matrix (water or soil) fortified (spiked) with known quantities of specific target analytes and subjected to the entire analytical procedure in order to indicate the appropriateness of the method for the matrix by measuring recovery.
Matrix spike duplicate (MSD)	A second aliquot of the same matrix as the matrix spike that is spiked in order to determine the precision of the method.
Retention time	The time a target analyte is retained on a GC column before elution. The identification of a target analyte is dependent on a target compound's retention time falling within the specified retention time window established for that compound.
Relative retention time	The ratio of the retention time of a compound to that of a standard.

Source: O'Brien & Gere

Client Sample Results

TestAmerica Job ID: 480-110652-1
SDG: 480-110652-1

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Semi Annual Event

Lab Sample ID: 480-110652-1
Matrix: Water

Client Sample ID: AOC-LDMW-1S-120616

Date Collected: 12/06/16 10:10
Date Received: 12/07/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil/Fac
1,1,1-Trichloroethane	170		5.0	4.1	ug/L			12/09/16 13:23	5
1,1,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/09/16 13:23	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/09/16 13:23	5
1,1-Dichloroethane	130		5.0	1.9	ug/L			12/09/16 13:23	5
1,1-Dichloroethene	47		5.0	1.5	ug/L			12/09/16 13:23	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/09/16 13:23	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/09/16 13:23	5
2-Hexanone	ND	UJ	25	6.2	ug/L			12/09/16 13:23	5
2-Butanone (MEK)	ND	UJ	50	6.6	ug/L			12/09/16 13:23	5
4-Methyl-2-pentanone (MIBK)	ND	UJ	25	11	ug/L			12/09/16 13:23	5
Acetone	ND	UJ	50	15	ug/L			12/09/16 13:23	5
Benzene	ND		5.0	2.1	ug/L			12/09/16 13:23	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/09/16 13:23	5
Bromoform	ND		5.0	1.3	ug/L			12/09/16 13:23	5
Bromomethane	ND		5.0	3.5	ug/L			12/09/16 13:23	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/09/16 13:23	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/09/16 13:23	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/09/16 13:23	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/09/16 13:23	5
Chloroethane	ND		5.0	1.6	ug/L			12/09/16 13:23	5
Chloroform	3.1	J	5.0	1.7	ug/L			12/09/16 13:23	5
Chloromethane	ND		5.0	1.8	ug/L			12/09/16 13:23	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			12/09/16 13:23	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/09/16 13:23	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/09/16 13:23	5
Methylene Chloride	3.2	U	5.0	2.2	ug/L			12/09/16 13:23	5
Styrene	ND		5.0	3.7	ug/L			12/09/16 13:23	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/09/16 13:23	5
Toluene	ND		5.0	2.6	ug/L			12/09/16 13:23	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/09/16 13:23	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/09/16 13:23	5
Trichloroethene	190		5.0	2.3	ug/L			12/09/16 13:23	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/09/16 13:23	5
Xylenes, Total	ND		10	3.3	ug/L			12/09/16 13:23	5
Surrogate	%Recovery	Qualifier			Limits				
1,2-Dichloroethane-d4 (Surr)	102			77	-120				
Toluene-d8 (Surr)	94			80	-120				
4-Bromofluorobenzene (Surr)	99			73	-120				
Dibromofluoromethane (Surr)	104			75	-123				
						Prepared	Analyzed	Dil Fac	

Client Sample ID: AOC-PSTMW-1SR-120616

Date Collected: 12/06/16 10:25
Date Received: 12/07/16 09:30

Lab Sample ID: 480-110652-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/09/16 13:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/16 13:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/16 13:50	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AOC-PSTMW-2S-120616

Lab Sample ID: 480-110652-3

Date Collected: 12/06/16 10:37
 Date Received: 12/07/16 09:30

Matrix: Ground Water

DJL

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/16 14:17	1
2-Hexanone	ND <i>US</i>		5.0	1.2	ug/L			12/09/16 14:17	1
2-Butanone (MEK)	ND <i>US</i>		10	1.3	ug/L			12/09/16 14:17	1
4-Methyl-2-pentanone (MIBK)	ND <i>US</i>		5.0	2.1	ug/L			12/09/16 14:17	1
Acetone	ND <i>US</i>		10	3.0	ug/L			12/09/16 14:17	1
Benzene	ND		1.0	0.41	ug/L			12/09/16 14:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/16 14:17	1
Bromoform	ND		1.0	0.26	ug/L			12/09/16 14:17	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/16 14:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/16 14:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/16 14:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/16 14:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/16 14:17	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/16 14:17	1
Chloroform	ND		1.0	0.34	ug/L			12/09/16 14:17	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/16 14:17	1
cis-1,2-Dichloroethene	ND		1.0	0.61	ug/L			12/09/16 14:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/16 14:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/16 14:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/16 14:17	1
Styrene	ND		1.0	0.73	ug/L			12/09/16 14:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/16 14:17	1
Toluene	ND		1.0	0.51	ug/L			12/09/16 14:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/16 14:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/16 14:17	1
Trichloroethene	1.4		1.0	0.46	ug/L			12/09/16 14:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/16 14:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/16 14:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		12/09/16 14:17	1
Toluene-d8 (Surr)	95		80 - 120		12/09/16 14:17	1
4-Bromofluorobenzene (Surr)	99		73 - 120		12/09/16 14:17	1
Dibromofluoromethane (Surr)	99		75 - 123		12/09/16 14:17	1

Client Sample ID: AF-2P-120616

Lab Sample ID: 480-110652-4

Date Collected: 12/06/16 10:51
 Date Received: 12/07/16 09:30

Matrix: Ground Water

DJL

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.7		1.0	0.82	ug/L			12/09/16 14:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/16 14:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/16 14:44	1
1,1-Dichloroethane	7.3		1.0	0.38	ug/L			12/09/16 14:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/16 14:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/16 14:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/16 14:44	1
2-Hexanone	ND <i>US</i>		5.0	1.2	ug/L			12/09/16 14:44	1
2-Butanone (MEK)	ND <i>US</i>		10	1.3	ug/L			12/09/16 14:44	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-2P-120616
 Date Collected: 12/06/16 10:51
 Date Received: 12/07/16 09:30

Lab Sample ID: 480-110652-4
 Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND	J	5.0	2.1	ug/L			12/09/16 14:44	1
Acetone	5.2	J	10	3.0	ug/L			12/09/16 14:44	1
Benzene	ND		1.0	0.41	ug/L			12/09/16 14:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/16 14:44	1
Bromoform	ND		1.0	0.26	ug/L			12/09/16 14:44	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/16 14:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/16 14:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/16 14:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/16 14:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/16 14:44	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/16 14:44	1
Chloroform	ND		1.0	0.34	ug/L			12/09/16 14:44	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/16 14:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/09/16 14:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/16 14:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/16 14:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/16 14:44	1
Styrene	ND		1.0	0.73	ug/L			12/09/16 14:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/16 14:44	1
Toluene	ND		1.0	0.51	ug/L			12/09/16 14:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/16 14:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/16 14:44	1
Trichloroethene	33		1.0	0.46	ug/L			12/09/16 14:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/16 14:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/16 14:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		12/09/16 14:44	1
Toluene-d8 (Surr)	97		80 - 120		12/09/16 14:44	1
4-Bromofluorobenzene (Surr)	97		73 - 120		12/09/16 14:44	1
Dibromofluoromethane (Surr)	101		75 - 123		12/09/16 14:44	1

Client Sample ID: AF-3P-120616

Date Collected: 12/06/16 11:01
 Date Received: 12/07/16 09:30

Lab Sample ID: 480-110652-5

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	14		1.0	0.82	ug/L			12/09/16 15:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/16 15:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/16 15:11	1
1,1-Dichloroethane	0.83	J	1.0	0.38	ug/L			12/09/16 15:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/16 15:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/16 15:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/16 15:11	1
2-Hexanone	ND	J	5.0	1.2	ug/L			12/09/16 15:11	1
2-Butanone (MEK)	ND	J	10	1.3	ug/L			12/09/16 15:11	1
4-Methyl-2-pentanone (MIBK)	ND	J	5.0	2.1	ug/L			12/09/16 15:11	1
Acetone	3.9	J	10	3.0	ug/L			12/09/16 15:11	1
Benzene	ND		1.0	0.41	ug/L			12/09/16 15:11	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AOC-PSTMW-1SR-120616

Date Collected: 12/06/16 10:25
 Date Received: 12/07/16 09:30

Lab Sample ID: 480-110652-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/09/16 13:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/16 13:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/16 13:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/16 13:50	1
2-Hexanone	ND	UJ	5.0	1.2	ug/L			12/09/16 13:50	1
2-Butanone (MEK)	ND	UJ	10	1.3	ug/L			12/09/16 13:50	1
4-Methyl-2-pentanone (MIBK)	ND	UJ	5.0	2.1	ug/L			12/09/16 13:50	1
Acetone	4.1	J	10	3.0	ug/L			12/09/16 13:50	1
Benzene	ND		1.0	0.41	ug/L			12/09/16 13:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/16 13:50	1
Bromoform	ND		1.0	0.26	ug/L			12/09/16 13:50	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/16 13:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/16 13:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/16 13:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/16 13:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/16 13:50	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/16 13:50	1
Chloroform	ND		1.0	0.34	ug/L			12/09/16 13:50	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/16 13:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/09/16 13:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/16 13:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/16 13:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/16 13:50	1
Styrene	ND		1.0	0.73	ug/L			12/09/16 13:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/16 13:50	1
Toluene	ND		1.0	0.51	ug/L			12/09/16 13:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/16 13:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/16 13:50	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/16 13:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/16 13:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/16 13:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		12/09/16 13:50	1
Toluene-d8 (Surr)	96		80 - 120		12/09/16 13:50	1
4-Bromofluorobenzene (Surr)	97		73 - 120		12/09/16 13:50	1
Dibromofluoromethane (Surr)	104		75 - 123		12/09/16 13:50	1

Client Sample ID: AOC-PSTMW-2S-120616

Date Collected: 12/06/16 10:37
 Date Received: 12/07/16 09:30

Lab Sample ID: 480-110652-3

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	11		1.0	0.82	ug/L			12/09/16 14:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/16 14:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/16 14:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/09/16 14:17	1
1,1-Dichloroethene	0.96	J	1.0	0.29	ug/L			12/09/16 14:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/16 14:17	1

TestAmerica Buffalo

12/29/2016

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-3P-120616

Lab Sample ID: 480-110652-5

Date Collected: 12/06/16 11:01

Date Received: 12/07/16 09:30

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/16 15:11	1
Bromoform	ND		1.0	0.26	ug/L			12/09/16 15:11	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/16 15:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/16 15:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/16 15:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/16 15:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/16 15:11	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/16 15:11	1
Chloroform	ND		1.0	0.34	ug/L			12/09/16 15:11	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/16 15:11	1
cis-1,2-Dichloroethene	1.0		1.0	0.81	ug/L			12/09/16 15:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/16 15:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/16 15:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/16 15:11	1
Styrene	ND		1.0	0.73	ug/L			12/09/16 15:11	1
Tetrachloroethene	9.9		1.0	0.36	ug/L			12/09/16 15:11	1
Toluene	ND		1.0	0.51	ug/L			12/09/16 15:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/16 15:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/16 15:11	1
Trichloroethene	52		1.0	0.46	ug/L			12/09/16 15:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/16 15:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/16 15:11	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103			77-120				12/09/16 15:11	1
Toluene-d8 (Surr)	96			80-120				12/09/16 15:11	1
4-Bromofluorobenzene (Surr)	97			73-120				12/09/16 15:11	1
Dibromofluoromethane (Surr)	103			75-123				12/09/16 15:11	1

Client Sample ID: AF-5P-120616

Lab Sample ID: 480-110652-6

Date Collected: 12/06/16 11:15

Date Received: 12/07/16 09:30

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	26		2.0	1.6	ug/L			12/09/16 22:07	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			12/09/16 22:07	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			12/09/16 22:07	2
1,1-Dichloroethane	2.3		2.0	0.76	ug/L			12/09/16 22:07	2
1,1-Dichloroethene	0.89 J		2.0	0.58	ug/L			12/09/16 22:07	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			12/09/16 22:07	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			12/09/16 22:07	2
2-Hexanone	ND		10	2.5	ug/L			12/09/16 22:07	2
2-Butanone (MEK)	ND		20	2.6	ug/L			12/09/16 22:07	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			12/09/16 22:07	2
Acetone	ND		20	6.0	ug/L			12/09/16 22:07	2
Benzene	ND		2.0	0.62	ug/L			12/09/16 22:07	2
Bromodichloromethane	ND		2.0	0.78	ug/L			12/09/16 22:07	2
Bromoform	ND		2.0	0.52	ug/L			12/09/16 22:07	2
Bromomethane	ND		2.0	1.4	ug/L			12/09/16 22:07	2

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-5P-120616

Lab Sample ID: 480-110652-6

Date Collected: 12/06/16 11:15
 Date Received: 12/07/16 09:30

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		2.0	0.38	ug/L			12/09/16 22:07	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			12/09/16 22:07	2
Chlorobenzene	ND		2.0	1.5	ug/L			12/09/16 22:07	2
Dibromochloromethane	ND		2.0	0.64	ug/L			12/09/16 22:07	2
Chloroethane	ND		2.0	0.64	ug/L			12/09/16 22:07	2
Chloroform	ND		2.0	0.68	ug/L			12/09/16 22:07	2
Chloromethane	ND		2.0	0.70	ug/L			12/09/16 22:07	2
cis-1,2-Dichloroethene	3.8		2.0	1.6	ug/L			12/09/16 22:07	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			12/09/16 22:07	2
Ethylbenzene	ND		2.0	1.5	ug/L			12/09/16 22:07	2
Methylene Chloride	2.4		2.0	0.88	ug/L			12/09/16 22:07	2
Styrene	ND		2.0	1.5	ug/L			12/09/16 22:07	2
Tetrachloroethene	ND		2.0	0.72	ug/L			12/09/16 22:07	2
Toluene	ND		2.0	1.0	ug/L			12/09/16 22:07	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			12/09/16 22:07	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			12/09/16 22:07	2
Trichloroethene	95		2.0	0.92	ug/L			12/09/16 22:07	2
Vinyl chloride	ND		2.0	1.8	ug/L			12/09/16 22:07	2
Xylenes, Total	ND		4.0	1.3	ug/L			12/09/16 22:07	2
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	96		77 - 120						2
Toluene-d8 (Surr)	94		80 - 120						2
4-Bromofluorobenzene (Surr)	96		73 - 120						2
Dibromofluoromethane (Surr)	97		75 - 123						2

Client Sample ID: AF-5S-120616

Lab Sample ID: 480-110652-7

Date Collected: 12/06/16 11:25
 Date Received: 12/07/16 09:30

DJ

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/09/16 16:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/16 16:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/16 16:04	1
1,1-Dichloroethane	4.2		1.0	0.38	ug/L			12/09/16 16:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/16 16:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/16 16:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/16 16:04	1
2-Hexanone	ND <i>UJ</i>		5.0	1.2	ug/L			12/09/16 16:04	1
2-Butanone (MEK)	ND <i>UJ</i>		10	1.3	ug/L			12/09/16 16:04	1
4-Methyl-2-pentanone (MIBK)	ND <i>UJ</i>		5.0	2.1	ug/L			12/09/16 16:04	1
Acetone	ND <i>UJ</i>		10	3.0	ug/L			12/09/16 16:04	1
Benzene	ND		1.0	0.41	ug/L			12/09/16 16:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/16 16:04	1
Bromoform	ND		1.0	0.26	ug/L			12/09/16 16:04	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/16 16:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/16 16:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/16 16:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/16 16:04	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-5S-120616

Lab Sample ID: 480-110652-7

Date Collected: 12/06/16 11:25

Matrix: Ground Water

Date Received: 12/07/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/16 16:04	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/16 16:04	1
Chloroform	ND		1.0	0.34	ug/L			12/09/16 16:04	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/16 16:04	1
cis-1,2-Dichloroethene	6.6		1.0	0.81	ug/L			12/09/16 16:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/16 16:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/16 16:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/16 16:04	1
Styrene	ND		1.0	0.73	ug/L			12/09/16 16:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/16 16:04	1
Toluene	ND		1.0	0.51	ug/L			12/09/16 16:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/16 16:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/16 16:04	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/16 16:04	1
Vinyl chloride	31		1.0	0.90	ug/L			12/09/16 16:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/16 16:04	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107			77 - 120				12/09/16 16:04	1
Toluene-d8 (Surr)	96			80 - 120				12/09/16 16:04	1
4-Bromofluorobenzene (Surr)	102			73 - 120				12/09/16 16:04	1
Dibromofluoromethane (Surr)	106			75 - 123				12/09/16 16:04	1

Client Sample ID: AF-25P-120616

Lab Sample ID: 480-110652-8

Date Collected: 12/06/16 11:35

Matrix: Ground Water

Date Received: 12/07/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	150		10	8.2	ug/L			12/09/16 16:31	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			12/09/16 16:31	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			12/09/16 16:31	10
1,1-Dichloroethane	44		10	3.8	ug/L			12/09/16 16:31	10
1,1-Dichloroethene	14		10	2.9	ug/L			12/09/16 16:31	10
1,2-Dichloroethane	ND		10	2.1	ug/L			12/09/16 16:31	10
1,2-Dichloropropane	ND		10	7.2	ug/L			12/09/16 16:31	10
2-Hexanone	ND US		50	12	ug/L			12/09/16 16:31	10
2-Butanone (MEK)	ND US		100	13	ug/L			12/09/16 16:31	10
4-Methyl-2-pentanone (MIBK)	ND US		50	21	ug/L			12/09/16 16:31	10
Acetone	ND US		100	30	ug/L			12/09/16 16:31	10
Benzene	ND		10	4.1	ug/L			12/09/16 16:31	10
Bromodichloromethane	ND		10	3.9	ug/L			12/09/16 16:31	10
Bromoform	ND		10	2.6	ug/L			12/09/16 16:31	10
Bromomethane	ND		10	6.9	ug/L			12/09/16 16:31	10
Carbon disulfide	ND		10	1.9	ug/L			12/09/16 16:31	10
Carbon tetrachloride	ND		10	2.7	ug/L			12/09/16 16:31	10
Chlorobenzene	ND		10	7.5	ug/L			12/09/16 16:31	10
Dibromochloromethane	ND		10	3.2	ug/L			12/09/16 16:31	10
Chloroethane	12		10	3.2	ug/L			12/09/16 16:31	10
Chloroform	ND		10	3.4	ug/L			12/09/16 16:31	10

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-25P-120616

Date Collected: 12/06/16 11:35
 Date Received: 12/07/16 09:30

Lab Sample ID: 480-110652-8

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		10	3.5	ug/L			12/09/16 16:31	10
cis-1,2-Dichloroethene	8.1	J	10	8.1	ug/L			12/09/16 16:31	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			12/09/16 16:31	10
Ethylbenzene	ND		10	7.4	ug/L			12/09/16 16:31	10
Methylene Chloride	9.0	u	10	4.4	ug/L			12/09/16 16:31	10
Styrene	ND		10	7.3	ug/L			12/09/16 16:31	10
Tetrachloroethene	4.3	J	10	3.6	ug/L			12/09/16 16:31	10
Toluene	ND		10	5.1	ug/L			12/09/16 16:31	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			12/09/16 16:31	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			12/09/16 16:31	10
Trichloroethene	220		10	4.6	ug/L			12/09/16 16:31	10
Vinyl chloride	ND		10	9.0	ug/L			12/09/16 16:31	10
Xylenes, Total	ND		20	6.6	ug/L			12/09/16 16:31	10
Surrogate	%Recovery	Qualifier	Limits			D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120					12/09/16 16:31	10
Toluene-d8 (Surr)	96		80 - 120					12/09/16 16:31	10
4-Bromofluorobenzene (Surr)	100		73 - 120					12/09/16 16:31	10
Dibromofluoromethane (Surr)	104		75 - 123					12/09/16 16:31	10

Client Sample ID: AF-24P-120616

Date Collected: 12/06/16 12:15
 Date Received: 12/07/16 09:30

Lab Sample ID: 480-110652-9

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	310	E	380	1.0	10	0.82	ug/L	12/09/16 16:59	10
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/16 16:59	1
1,1,2-Trichloroethane	0.41	J	1.0	0.23	ug/L			12/09/16 16:59	1
1,1-Dichloroethane	52		1.0	0.38	ug/L			12/09/16 16:59	1
1,1-Dichloroethene	33		1.0	0.29	ug/L			12/09/16 16:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/16 16:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/16 16:59	1
2-Hexanone	ND	US	5.0	1.2	ug/L			12/09/16 16:59	1
2-Butanone (MEK)	ND	US	10	1.3	ug/L			12/09/16 16:59	1
4-Methyl-2-pentanone (MIBK)	ND	US	5.0	2.1	ug/L			12/09/16 16:59	1
Acetone	3.6	J	10	3.0	ug/L			12/09/16 16:59	1
Benzene	ND		1.0	0.41	ug/L			12/09/16 16:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/16 16:59	1
Bromoform	ND		1.0	0.26	ug/L			12/09/16 16:59	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/16 16:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/16 16:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/16 16:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/16 16:59	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/16 16:59	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/16 16:59	1
Chloroform	4.0		1.0	0.34	ug/L			12/09/16 16:59	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/16 16:59	1
cis-1,2-Dichloroethene	48		1.0	0.81	ug/L			12/09/16 16:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/16 16:59	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-24P-120616

Date Collected: 12/06/16 12:15
 Date Received: 12/07/16 09:30

Lab Sample ID: 480-110652-9

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/16 16:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/16 16:59	1
Styrene	ND		1.0	0.73	ug/L			12/09/16 16:59	1
Tetrachloroethene	9.2		1.0	0.36	ug/L			12/09/16 16:59	1
Toluene	ND		1.0	0.51	ug/L			12/09/16 16:59	1
trans-1,2-Dichloroethene	41		1.0	0.90	ug/L			12/09/16 16:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/16 16:59	1
Trichloroethene	450	E	10 ¹⁰	0.46	ug/L			12/09/16 16:59	1
Vinyl chloride	8.1		1.0	0.90	ug/L			12/09/16 16:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/16 16:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	100		77-120				12/09/16 16:59	1	
Toluene-d8 (Surr)	96		80-120				12/09/16 16:59	1	
4-Bromofluorobenzene (Surr)	97		73-120				12/09/16 16:59	1	
Dibromofluoromethane (Surr)	102		75-123				12/09/16 16:59	1	

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	DL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	350		10	8.2	ug/L			12/09/16 22:34	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			12/09/16 22:34	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			12/09/16 22:34	10
1,1-Dichloroethane	56		10	3.8	ug/L			12/09/16 22:34	10
1,1-Dichloroethene	33		10	2.9	ug/L			12/09/16 22:34	10
1,2-Dichloroethane	ND		10	2.1	ug/L			12/09/16 22:34	10
1,2-Dichloropropane	ND		10	7.2	ug/L			12/09/16 22:34	10
2-Hexanone	ND		50	12	ug/L			12/09/16 22:34	10
2-Butanone (MEK)	ND		100	13	ug/L			12/09/16 22:34	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			12/09/16 22:34	10
Acetone	ND		100	30	ug/L			12/09/16 22:34	10
Benzene	ND		10	4.1	ug/L			12/09/16 22:34	10
Bromodichloromethane	ND		10	3.9	ug/L			12/09/16 22:34	10
Bromoform	ND		10	2.6	ug/L			12/09/16 22:34	10
Bromomethane	ND		10	6.9	ug/L			12/09/16 22:34	10
Carbon disulfide	ND		10	1.9	ug/L			12/09/16 22:34	10
Carbon tetrachloride	ND		10	2.7	ug/L			12/09/16 22:34	10
Chlorobenzene	ND		10	7.5	ug/L			12/09/16 22:34	10
Dibromochloromethane	ND		10	3.2	ug/L			12/09/16 22:34	10
Chloroethane	ND		10	3.2	ug/L			12/09/16 22:34	10
Chloroform	5.3	J	10	3.4	ug/L			12/09/16 22:34	10
Chloromethane	ND		10	3.5	ug/L			12/09/16 22:34	10
cis-1,2-Dichloroethene	46		10	8.1	ug/L			12/09/16 22:34	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			12/09/16 22:34	10
Ethylbenzene	ND		10	7.4	ug/L			12/09/16 22:34	10
Methylene Chloride	6.2	J	10	4.4	ug/L			12/09/16 22:34	10
Styrene	ND		10	7.3	ug/L			12/09/16 22:34	10
Tetrachloroethene	9.8	J	10	3.6	ug/L			12/09/16 22:34	10
Toluene	ND		10	5.1	ug/L			12/09/16 22:34	10
trans-1,2-Dichloroethene	40		10	9.0	ug/L			12/09/16 22:34	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			12/09/16 22:34	10

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-24P-120616

Lab Sample ID: 480-110652-9

Date Collected: 12/06/16 12:15

Matrix: Water

Date Received: 12/07/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	500		10	4.6	ug/L			12/09/16 22:34	10
Vinyl chloride	ND		10	9.0	ug/L			12/09/16 22:34	10
Xylenes, Total	ND		20	6.6	ug/L			12/09/16 22:34	10
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98			77 - 120				12/09/16 22:34	10
Toluene-d8 (Surr)	96			80 - 120				12/09/16 22:34	10
4-Bromofluorobenzene (Surr)	98			73 - 120				12/09/16 22:34	10
Dibromofluoromethane (Surr)	101			75 - 123				12/09/16 22:34	10

Client Sample ID: TRIP BLANK-120616

Lab Sample ID: 480-110652-10

Date Collected: 12/06/16 00:00

Matrix: Water

Date Received: 12/07/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/09/16 12:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/16 12:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/16 12:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/09/16 12:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/16 12:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/16 12:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/16 12:56	1
2-Hexanone	ND <u>US</u>		5.0	1.2	ug/L			12/09/16 12:56	1
2-Butanone (MEK)	ND <u>US</u>		10	1.3	ug/L			12/09/16 12:56	1
4-Methyl-2-pentanone (MIBK)	ND <u>US</u>		5.0	2.1	ug/L			12/09/16 12:56	1
Acetone	ND <u>US</u>		10	3.0	ug/L			12/09/16 12:56	1
Benzene	ND		1.0	0.41	ug/L			12/09/16 12:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/16 12:56	1
Bromoform	ND		1.0	0.26	ug/L			12/09/16 12:56	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/16 12:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/16 12:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/16 12:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/16 12:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/16 12:56	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/16 12:56	1
Chloroform	ND		1.0	0.34	ug/L			12/09/16 12:56	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/16 12:56	1
cis-1,2-Dichloroelhene	ND		1.0	0.81	ug/L			12/09/16 12:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/16 12:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/16 12:56	1
Methylene Chloride	0.47 <u>J</u>		1.0	0.44	ug/L			12/09/16 12:56	1
Styrene	ND		1.0	0.73	ug/L			12/09/16 12:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/16 12:56	1
Toluene	ND		1.0	0.51	ug/L			12/09/16 12:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/16 12:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/16 12:56	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/16 12:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/16 12:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/16 12:56	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: TRIP BLANK-120616

Lab Sample ID: 480-110652-10

Date Collected: 12/06/16 00:00

Matrix: Water

Date Received: 12/07/16 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		12/09/16 12:56	1
Toluene-d8 (Surr)	96		80 - 120		12/09/16 12:56	1
4-Bromofluorobenzene (Surr)	102		73 - 120		12/09/16 12:56	1
Dibromofluoromethane (Surr)	102		75 - 123		12/09/16 12:56	1

Client Sample ID: TMW-1S-120716

Lab Sample ID: 480-110778-1

Date Collected: 12/07/16 10:25

Matrix: Water

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 01:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 01:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/18 01:49	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 01:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 01:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 01:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 01:49	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 01:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 01:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 01:49	1
Acetone	ND		10	3.0	ug/L			12/13/16 01:49	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 01:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 01:49	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 01:49	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/18 01:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 01:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 01:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 01:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 01:49	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/18 01:49	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 01:49	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 01:49	1
cis-1,2-Dichloroethene	13		1.0	0.81	ug/L			12/13/16 01:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 01:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 01:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 01:49	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 01:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 01:49	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 01:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 01:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 01:49	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 01:49	1
Vinyl chloride	40		1.0	0.90	ug/L			12/13/16 01:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 01:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		12/13/16 01:49	1
Toluene-d8 (Surr)	101		80 - 120		12/13/16 01:49	1
4-Bromofluorobenzene (Surr)	92		73 - 120		12/13/16 01:49	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: TMW-1S-120716
 Date Collected: 12/07/16 10:25
 Date Received: 12/08/16 09:45

Lab Sample ID: 480-110778-1
 Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	107		75 - 123		12/13/16 01:49	1

Client Sample ID: TMW-2S-120716
 Date Collected: 12/07/16 10:48
 Date Received: 12/08/16 09:45

Lab Sample ID: 480-110778-2
 Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 02:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 02:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 02:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 02:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 02:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 02:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 02:16	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 02:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 02:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 02:16	1
Acetone	ND		10	3.0	ug/L			12/13/16 02:16	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 02:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 02:16	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 02:16	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 02:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 02:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 02:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 02:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 02:16	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 02:16	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 02:16	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 02:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/13/16 02:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 02:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 02:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 02:16	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 02:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 02:16	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 02:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 02:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 02:16	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 02:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/13/16 02:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 02:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120			1
Toluene-d8 (Surr)	91		80 - 120			1
4-Bromofluorobenzene (Surr)	82		73 - 120			1
Dibromofluoromethane (Surr)	100		75 - 123			1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-9S-120716

Lab Sample ID: 480-110778-3

Date Collected: 12/07/16 11:02

Matrix: Water

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 02:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 02:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 02:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 02:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 02:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 02:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 02:39	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 02:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 02:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 02:39	1
Acetone	ND		10	3.0	ug/L			12/13/16 02:39	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 02:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 02:39	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 02:39	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 02:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 02:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 02:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 02:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 02:39	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 02:39	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 02:39	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 02:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/13/16 02:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 02:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 02:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 02:39	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 02:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 02:39	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 02:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 02:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 02:39	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 02:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/13/16 02:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 02:39	1
Surrogate	%Recovery	Qualifier		Lipids			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surrogate)	108			77-120				12/13/16 02:39	1
Toluene-d8 (Surrogate)	103			80-120				12/13/16 02:39	1
4-Bromofluorobenzene (Surrogate)	91			73-120				12/13/16 02:39	1
Dibromofluoromethane (Surrogate)	101			75-123				12/13/16 02:39	1

Client Sample ID: OSMW-2P-120716

Lab Sample ID: 480-110778-4

Date Collected: 12/07/16 11:30

Matrix: Water

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 03:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 03:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 03:02	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-2P-120716

Date Collected: 12/07/16 11:30
 Date Received: 12/08/16 09:45

Lab Sample ID: 480-110778-4

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	6.7		1.0	0.38	ug/L			12/13/16 03:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 03:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 03:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 03:02	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 03:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 03:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 03:02	1
Acetone	ND		10	3.0	ug/L			12/13/16 03:02	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 03:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 03:02	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 03:02	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 03:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 03:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 03:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 03:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 03:02	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 03:02	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 03:02	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 03:02	1
cis-1,2-Dichloroethene	19		1.0	0.81	ug/L			12/13/16 03:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 03:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 03:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 03:02	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 03:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 03:02	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 03:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 03:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 03:02	1
Trichloroethene	0.49		1.0	0.46	ug/L			12/13/16 03:02	1
Vinyl chloride	20		1.0	0.90	ug/L			12/13/16 03:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 03:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104	I	77 - 120		12/13/16 03:02	1
Toluene-d8 (Surr)	99		80 - 120		12/13/16 03:02	1
4-Bromofluorobenzene (Surr)	89		73 - 120		12/13/16 03:02	1
Dibromofluoromethane (Surr)	106		75 - 123		12/13/16 03:02	1

Client Sample ID: OSMW-1P-120716

Date Collected: 12/07/16 12:00
 Date Received: 12/08/16 09:45

Lab Sample ID: 480-110778-5

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 03:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 03:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 03:25	1
1,1-Dichloroethane	2.5		1.0	0.38	ug/L			12/13/16 03:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 03:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 03:25	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-1P-120716

Date Collected: 12/07/16 12:00

Date Received: 12/08/16 09:45

Lab Sample ID: 480-110778-5

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 03:25	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 03:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 03:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 03:25	1
Acetone	19		10	3.0	ug/L			12/13/16 03:25	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 03:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 03:25	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 03:25	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 03:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 03:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 03:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 03:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 03:25	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 03:25	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 03:25	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 03:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/13/16 03:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 03:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 03:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 03:25	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 03:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 03:25	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 03:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 03:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 03:25	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 03:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/13/16 03:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 03:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		12/13/16 03:25	1
Toluene-d8 (Surr)	100		80 - 120		12/13/16 03:25	1
4-Bromofluorobenzene (Surr)	91		73 - 120		12/13/16 03:25	1
Dibromofluoromethane (Surr)	104		75 - 123		12/13/16 03:25	1

Client Sample ID: OSMW-1S-120716

Date Collected: 12/07/16 12:12

Date Received: 12/08/16 09:45

Lab Sample ID: 480-110778-6

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			12/14/16 11:33	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			12/14/16 11:33	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			12/14/16 11:33	20
1,1-Dichloroethane	ND		20	7.6	ug/L			12/14/16 11:33	20
1,1-Dichloroethene	ND		20	5.8	ug/L			12/14/16 11:33	20
1,2-Dichloroethane	ND		20	4.2	ug/L			12/14/16 11:33	20
1,2-Dichloropropane	ND		20	14	ug/L			12/14/16 11:33	20
2-Hexanone	ND		100	25	ug/L			12/14/16 11:33	20
2-Butanone (MEK)	ND		200	26	ug/L			12/14/16 11:33	20

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-1S-120716

Lab Sample ID: 480-110778-6

Date Collected: 12/07/16 12:12

Matrix: Water

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			12/14/16 11:33	20
Acetone	ND		200	60	ug/L			12/14/16 11:33	20
Benzene	ND		20	8.2	ug/L			12/14/16 11:33	20
Bromodichloromethane	ND		20	7.8	ug/L			12/14/16 11:33	20
Bromoform	ND		20	5.2	ug/L			12/14/16 11:33	20
Bromomethane	ND		20	14	ug/L			12/14/16 11:33	20
Carbon disulfide	ND		20	3.8	ug/L			12/14/16 11:33	20
Carbon tetrachloride	ND		20	5.4	ug/L			12/14/16 11:33	20
Chlorobenzene	ND		20	15	ug/L			12/14/16 11:33	20
Dibromochloromethane	ND		20	6.4	ug/L			12/14/16 11:33	20
Chloroethane	ND		20	6.4	ug/L			12/14/16 11:33	20
Chloroform	ND		20	6.8	ug/L			12/14/16 11:33	20
Chloromethane	ND		20	7.0	ug/L			12/14/16 11:33	20
cis-1,2-Dichloroethene	440		20	16	ug/L			12/14/16 11:33	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			12/14/16 11:33	20
Ethylbenzene	ND		20	15	ug/L			12/14/16 11:33	20
Methylene Chloride	ND		20	8.8	ug/L			12/14/16 11:33	20
Styrene	ND		20	15	ug/L			12/14/16 11:33	20
Tetrachloroethene	ND		20	7.2	ug/L			12/14/16 11:33	20
Toluene	ND		20	10	ug/L			12/14/16 11:33	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			12/14/16 11:33	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			12/14/16 11:33	20
Trichloroethene	ND		20	9.2	ug/L			12/14/16 11:33	20
Vinyl chloride	530		20	18	ug/L			12/14/16 11:33	20
Xylenes, Total	ND		40	13	ug/L			12/14/16 11:33	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120					12/14/16 11:33	20
Toluene-d8 (Surr)	103		80 - 120					12/14/16 11:33	20
4-Bromofluorobenzene (Surr)	93		73 - 120					12/14/16 11:33	20
Dibromofluoromethane (Surr)	105		75 - 123					12/14/16 11:33	20

Client Sample ID: H-221-120716

Lab Sample ID: 480-110778-7

Date Collected: 12/07/16 12:31

Matrix: Water

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	15		1.0	0.82	ug/L			12/14/16 11:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/14/16 11:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/14/16 11:57	1
1,1-Dichloroethane	9.0		1.0	0.38	ug/L			12/14/16 11:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/14/16 11:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/14/16 11:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/14/16 11:57	1
2-Hexanone	ND		5.0	1.2	ug/L			12/14/16 11:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/14/16 11:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/14/16 11:57	1
Acetone	ND		10	3.0	ug/L			12/14/16 11:57	1
Benzene	ND		1.0	0.41	ug/L			12/14/16 11:57	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: H-221-120716

Lab Sample ID: 480-110778-7

Date Collected: 12/07/16 12:31

Matrix: Water

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.39	ug/L			12/14/16 11:57	1
Bromoform	ND		1.0	0.26	ug/L			12/14/16 11:57	1
Bromomethane	ND		1.0	0.69	ug/L			12/14/16 11:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/14/16 11:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/14/16 11:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/14/16 11:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/14/16 11:57	1
Chloroethane	ND		1.0	0.32	ug/L			12/14/16 11:57	1
Chloroform	ND		1.0	0.34	ug/L			12/14/16 11:57	1
Chloromethane	ND		1.0	0.35	ug/L			12/14/16 11:57	1
cis-1,2-Dichloroethene	3.5		1.0	0.81	ug/L			12/14/16 11:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/14/16 11:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/14/16 11:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/14/16 11:57	1
Styrene	ND		1.0	0.73	ug/L			12/14/16 11:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/14/16 11:57	1
Toluene	ND		1.0	0.51	ug/L			12/14/16 11:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/14/16 11:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/14/16 11:57	1
Trichloroethene	49		1.0	0.46	ug/L			12/14/16 11:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/14/16 11:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/14/16 11:57	1
Surrogate	%Recovery	Qualifier	Limits			D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120					12/14/16 11:57	1
Toluene-d8 (Surr)	102		80 - 120					12/14/16 11:57	1
4-Bromofluorobenzene (Surr)	92		73 - 120					12/14/16 11:57	1
Dibromofluoromethane (Surr)	105		75 - 123					12/14/16 11:57	1

Client Sample ID: OSMW-5D-120716

Lab Sample ID: 480-110778-8

Date Collected: 12/07/16 15:47

Matrix: Water

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			12/14/16 12:20	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/14/16 12:20	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/14/16 12:20	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			12/14/16 12:20	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			12/14/16 12:20	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/14/16 12:20	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/14/16 12:20	5
2-Hexanone	ND		25	6.2	ug/L			12/14/16 12:20	5
2-Butanone (MEK)	ND		50	6.6	ug/L			12/14/16 12:20	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/14/16 12:20	5
Acetone	ND		50	15	ug/L			12/14/16 12:20	5
Benzene	ND		5.0	2.1	ug/L			12/14/16 12:20	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/14/16 12:20	5
Bromoform	ND		5.0	1.3	ug/L			12/14/16 12:20	5
Bromomethane	ND		5.0	3.5	ug/L			12/14/16 12:20	5

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-5D-120716

Lab Sample ID: 480-110778-8

Date Collected: 12/07/16 15:47

Matrix: Water

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.95	ug/L			12/14/16 12:20	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/14/16 12:20	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/14/16 12:20	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/14/16 12:20	5
Chloroethane	ND		5.0	1.6	ug/L			12/14/16 12:20	5
Chloroform	ND		5.0	1.7	ug/L			12/14/16 12:20	5
Chloromethane	ND		5.0	1.8	ug/L			12/14/16 12:20	5
cis-1,2-Dichloroethene	300		5.0	4.1	ug/L			12/14/16 12:20	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/14/16 12:20	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/14/16 12:20	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/14/16 12:20	5
Styrene	ND		5.0	3.7	ug/L			12/14/16 12:20	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/14/16 12:20	5
Toluene	ND		5.0	2.6	ug/L			12/14/16 12:20	5
trans-1,2-Dichloroethene	9.0		5.0	4.5	ug/L			12/14/16 12:20	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/14/16 12:20	5
Trichloroethene	ND		5.0	2.3	ug/L			12/14/16 12:20	5
Vinyl chloride	28		5.0	4.5	ug/L			12/14/16 12:20	5
Xylenes, Total	ND		10	3.3	ug/L			12/14/16 12:20	5
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106			77 - 120				12/14/16 12:20	5
Toluene-d8 (Surr)	101			80 - 120				12/14/16 12:20	5
4-Bromofluorobenzene (Surr)	91			73 - 120				12/14/16 12:20	5
Dibromofluoromethane (Surr)	104			75 - 123				12/14/16 12:20	5

Client Sample ID: OSMW-5S-120716

Lab Sample ID: 480-110778-9

Date Collected: 12/07/16 16:05

Matrix: Water

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/14/16 12:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/14/16 12:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/14/16 12:43	1
1,1-Dichloroethane	2.8		1.0	0.38	ug/L			12/14/16 12:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/14/16 12:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/14/16 12:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/14/16 12:43	1
2-Hexanone	ND		5.0	1.2	ug/L			12/14/16 12:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/14/16 12:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/14/16 12:43	1
Acetone	3.2 J		10	3.0	ug/L			12/14/16 12:43	1
Benzene	ND		1.0	0.41	ug/L			12/14/16 12:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/14/16 12:43	1
Bromoform	ND		1.0	0.26	ug/L			12/14/16 12:43	1
Bromomethane	ND		1.0	0.69	ug/L			12/14/16 12:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/14/16 12:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/14/16 12:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/14/16 12:43	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-5S-120716

Lab Sample ID: 480-110778-9

Date Collected: 12/07/16 16:05

Matrix: Water

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		1.0	0.32	ug/L			12/14/16 12:43	1
Chloroethane	ND		1.0	0.32	ug/L			12/14/16 12:43	1
Chloroform	ND		1.0	0.34	ug/L			12/14/16 12:43	1
Chloromethane	ND		1.0	0.35	ug/L			12/14/16 12:43	1
cis-1,2-Dichloroethene	15		1.0	0.81	ug/L			12/14/16 12:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/14/16 12:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/14/16 12:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/14/16 12:43	1
Styrene	ND		1.0	0.73	ug/L			12/14/16 12:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/14/16 12:43	1
Toluene	ND		1.0	0.51	ug/L			12/14/16 12:43	1
trans-1,2-Dichloroethene	1.0		1.0	0.90	ug/L			12/14/16 12:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/14/16 12:43	1
Trichloroethene	ND		1.0	0.46	ug/L			12/14/16 12:43	1
Vinyl chloride	9.5		1.0	0.90	ug/L			12/14/16 12:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/14/16 12:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120			1
Toluene-d8 (Surr)	102		80 - 120			1
4-Bromofluorobenzene (Surr)	93		73 - 120			1
Dibromofluoromethane (Surr)	107		75 - 123			1

Client Sample ID: TRIP BLANK-120716

Lab Sample ID: 480-110778-10

Date Collected: 12/07/16 00:00

Matrix: Water

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 01:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 01:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 01:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 01:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 01:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 01:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 01:26	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 01:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 01:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 01:26	1
Acetone	ND		10	3.0	ug/L			12/13/16 01:26	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 01:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 01:26	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 01:26	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 01:26	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 01:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 01:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 01:26	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 01:26	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 01:26	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 01:26	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: TRIP BLANK-120716

Lab Sample ID: 480-110778-10

Date Collected: 12/07/16 00:00

Matrix: Water

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 01:26	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/13/16 01:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 01:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 01:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 01:26	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 01:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 01:26	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 01:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 01:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 01:26	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 01:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/13/16 01:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 01:26	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102			77 - 120				12/13/16 01:26	1
Toluene-d8 (Surr)	102			80 - 120				12/13/16 01:26	1
4-Bromofluorobenzene (Surr)	94			73 - 120				12/13/16 01:26	1
Dibromofluoromethane (Surr)	105			75 - 123				12/13/16 01:26	1

Client Sample ID: OSMW-3S-120816

Lab Sample ID: 480-110853-1

Date Collected: 12/08/16 09:15

Matrix: Water

Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 11:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 11:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 11:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 11:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 11:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 11:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 11:40	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 11:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 11:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 11:40	1
Acetone	15		10	3.0	ug/L			12/13/16 11:40	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 11:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 11:40	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 11:40	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 11:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 11:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 11:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 11:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 11:40	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 11:40	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 11:40	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 11:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/13/16 11:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 11:40	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-3S-120816

Lab Sample ID: 480-110853-1

Date Collected: 12/08/16 09:15
 Date Received: 12/09/16 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 11:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 11:40	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 11:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 11:40	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 11:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 11:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 11:40	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 11:40	1
Vinyl chloride	2.2		1.0	0.90	ug/L			12/13/16 11:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 11:40	1
Surrogate	%Recovery	Qualifier	Limits			D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120					12/13/16 11:40	1
Toluene-d8 (Surr)	101		80 - 120					12/13/16 11:40	1
4-Bromofluorobenzene (Surr)	90		73 - 120					12/13/16 11:40	1
Dibromofluoromethane (Surr)	101		75 - 123					12/13/16 11:40	1

Client Sample ID: OSMW-3D-120816

Lab Sample ID: 480-110853-2

Date Collected: 12/08/16 09:20
 Date Received: 12/09/16 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 12:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 12:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 12:04	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 12:04	1
1,1-Dichloroethene	0.65	J	1.0	0.29	ug/L			12/13/16 12:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 12:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 12:04	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 12:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 12:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 12:04	1
Acetone	24		10	3.0	ug/L			12/13/16 12:04	1
Benzene	1.1		1.0	0.41	ug/L			12/13/16 12:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 12:04	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 12:04	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 12:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 12:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 12:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 12:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 12:04	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 12:04	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 12:04	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 12:04	1
cis-1,2-Dichloroethene	230	E	10	1.0	ug/L			12/13/16 12:04	10
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 12:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 12:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 12:04	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 12:04	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-3D-120816

Lab Sample ID: 480-110853-2

Date Collected: 12/08/16 09:20
 Date Received: 12/09/16 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 12:04	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 12:04	1
trans-1,2-Dichloroethene	30		1.0	0.90	ug/L			12/13/16 12:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 12:04	1
Trichloroethene	370	E-390	10-10	0.46	ug/L			12/13/16 12:04	410
Vinyl chloride	2.9		1.0	0.90	ug/L			12/13/16 12:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 12:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	99		77-120				12/13/16 12:04	1	
Toluene-d8 (Surr)	102		80-120				12/13/16 12:04	1	
4-Bromofluorobenzene (Surr)	90		73-120				12/13/16 12:04	1	
Dibromofluoromethane (Surr)	102		75-123				12/13/16 12:04	1	

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			12/14/16 13:06	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			12/14/16 13:06	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			12/14/16 13:06	10
1,1-Dichloroethane	ND		10	3.8	ug/L			12/14/16 13:06	10
1,1-Dichloroethene	ND		10	2.9	ug/L			12/14/16 13:06	10
1,2-Dichloroethane	ND		10	2.1	ug/L			12/14/16 13:06	10
1,2-Dichloropropane	ND		10	7.2	ug/L			12/14/16 13:06	10
2-Hexanone	ND		50	12	ug/L			12/14/16 13:06	10
2-Butanone (MEK)	ND		100	13	ug/L			12/14/16 13:06	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			12/14/16 13:06	10
Acetone	ND		100	30	ug/L			12/14/16 13:06	10
Benzene	ND		10	4.1	ug/L			12/14/16 13:06	10
Bromodichloromethane	ND		10	3.9	ug/L			12/14/16 13:06	10
Bromoform	ND		10	2.6	ug/L			12/14/16 13:06	10
Bromomethane	ND		10	6.9	ug/L			12/14/16 13:06	10
Carbon disulfide	ND		10	1.9	ug/L			12/14/16 13:06	10
Carbon tetrachloride	ND		10	2.7	ug/L			12/14/16 13:06	10
Chlorobenzene	ND		10	7.5	ug/L			12/14/16 13:06	10
Dibromochloromethane	ND		10	3.2	ug/L			12/14/16 13:06	10
Chloroethane	ND		10	3.2	ug/L			12/14/16 13:06	10
Chloroform	ND		10	3.4	ug/L			12/14/16 13:06	10
Chloromethane	ND		10	3.5	ug/L			12/14/16 13:06	10
cis-1,2-Dichloroethene	230		10	8.1	ug/L			12/14/16 13:06	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			12/14/16 13:06	10
Ethylbenzene	ND		10	7.4	ug/L			12/14/16 13:06	10
Methylene Chloride	ND		10	4.4	ug/L			12/14/16 13:06	10
Styrene	ND		10	7.3	ug/L			12/14/16 13:06	10
Tetrachloroethene	ND		10	3.6	ug/L			12/14/16 13:06	10
Toluene	ND		10	5.1	ug/L			12/14/16 13:06	10
trans-1,2-Dichloroethene	31		10	9.0	ug/L			12/14/16 13:06	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			12/14/16 13:06	10
Trichloroethene	390		10	4.6	ug/L			12/14/16 13:06	10
Vinyl chloride	ND		10	9.0	ug/L			12/14/16 13:06	10
Xylenes, Total	ND		20	6.6	ug/L			12/14/16 13:06	10

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-3D-120816

Date Collected: 12/08/16 09:20

Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-2

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		12/14/16 13:06	10
Toluene-d8 (Surr)	102		80 - 120		12/14/16 13:06	10
4-Bromofluorobenzene (Surr)	90		73 - 120		12/14/16 13:06	10
Dibromofluoromethane (Surr)	106		75 - 123		12/14/16 13:06	10

Client Sample ID: TMW-1D-120816

Date Collected: 12/08/16 10:00

Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-3

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 12:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 12:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 12:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 12:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 12:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 12:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 12:27	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 12:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 12:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 12:27	1
Acetone	21		10	3.0	ug/L			12/13/16 12:27	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 12:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 12:27	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 12:27	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 12:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 12:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 12:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 12:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 12:27	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 12:27	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 12:27	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 12:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/13/16 12:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 12:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 12:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 12:27	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 12:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 12:27	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 12:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 12:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 12:27	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 12:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/13/16 12:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 12:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		12/13/16 12:27	1
Toluene-d8 (Surr)	102		80 - 120		12/13/16 12:27	1
4-Bromofluorobenzene (Surr)	91		73 - 120		12/13/16 12:27	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: TMW-1D-120816

Date Collected: 12/08/16 10:00

Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-3

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromoiodomethane (Surr)	106		75 - 123		12/13/16 12:27	1

Client Sample ID: AF-5D-120816

Date Collected: 12/08/16 10:15

Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-4

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 12:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 12:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 12:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 12:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 12:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 12:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 12:50	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 12:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 12:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 12:50	1
Acetone	ND		10	3.0	ug/L			12/13/16 12:50	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 12:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 12:50	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 12:50	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 12:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 12:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 12:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 12:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 12:50	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 12:50	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 12:50	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 12:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/13/16 12:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 12:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 12:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 12:50	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 12:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 12:50	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 12:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 12:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 12:50	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 12:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/13/16 12:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		12/13/16 12:50	1
Toluene-d8 (Surr)	100		80 - 120		12/13/16 12:50	1
4-Bromofluorobenzene (Surr)	92		73 - 120		12/13/16 12:50	1
Dibromoiodomethane (Surr)	105		75 - 123		12/13/16 12:50	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-21D-120816

Date Collected: 12/08/16 10:44

Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-5

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 13:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 13:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 13:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 13:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 13:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 13:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 13:13	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 13:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 13:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 13:13	1
Acetone	ND		10	3.0	ug/L			12/13/16 13:13	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 13:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 13:13	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 13:13	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 13:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 13:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 13:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 13:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 13:13	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 13:13	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 13:13	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 13:13	1
cis-1,2-Dichloroethene	1.3		1.0	0.81	ug/L			12/13/16 13:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 13:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 13:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 13:13	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 13:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 13:13	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 13:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 13:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 13:13	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 13:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/13/16 13:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 13:13	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104			77 - 120				12/13/16 13:13	1
Toluene-d8 (Surr)	100			80 - 120				12/13/16 13:13	1
4-Bromo Fluorobenzene (Surr)	93			73 - 120				12/13/16 13:13	1
Dibromo Fluoromethane (Surr)	106			75 - 123				12/13/16 13:13	1

Client Sample ID: TMW-2D-120816

Date Collected: 12/08/16 10:57

Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-6

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			12/13/16 13:36	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			12/13/16 13:36	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			12/13/16 13:36	10

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: TMW-2D-120816

Date Collected: 12/08/16 10:57

Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-6

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		10	3.8	ug/L			12/13/16 13:36	10
1,1-Dichloroethene	ND		10	2.9	ug/L			12/13/16 13:36	10
1,2-Dichloroethane	ND		10	2.1	ug/L			12/13/16 13:36	10
1,2-Dichloropropane	ND		10	7.2	ug/L			12/13/16 13:36	10
2-Hexanone	ND		50	12	ug/L			12/13/16 13:36	10
2-Butanone (MEK)	ND		100	13	ug/L			12/13/16 13:36	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			12/13/16 13:36	10
Acetone	ND		100	30	ug/L			12/13/16 13:36	10
Benzene	ND		10	4.1	ug/L			12/13/16 13:36	10
Bromodichloromethane	ND		10	3.9	ug/L			12/13/16 13:36	10
Bromoform	ND		10	2.6	ug/L			12/13/16 13:36	10
Bromomethane	ND		10	6.9	ug/L			12/13/16 13:36	10
Carbon disulfide	ND		10	1.9	ug/L			12/13/16 13:36	10
Carbon tetrachloride	ND		10	2.7	ug/L			12/13/16 13:36	10
Chlorobenzene	ND		10	7.5	ug/L			12/13/16 13:36	10
Dibromochloromethane	ND		10	3.2	ug/L			12/13/16 13:36	10
Chloroethane	ND		10	3.2	ug/L			12/13/16 13:36	10
Chloroform	ND		10	3.4	ug/L			12/13/16 13:36	10
Chloromethane	ND		10	3.5	ug/L			12/13/16 13:36	10
cis-1,2-Dichloroethene	570		10	8.1	ug/L			12/13/16 13:36	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			12/13/16 13:36	10
Ethylbenzene	ND		10	7.4	ug/L			12/13/16 13:36	10
Methylene Chloride	ND		10	4.4	ug/L			12/13/16 13:36	10
Styrene	ND		10	7.3	ug/L			12/13/16 13:36	10
Tetrachloroethene	ND		10	3.6	ug/L			12/13/16 13:36	10
Toluene	ND		10	5.1	ug/L			12/13/16 13:36	10
trans-1,2-Dichloroethene	160		10	9.0	ug/L			12/13/16 13:36	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			12/13/16 13:36	10
Trichloroethene	ND		10	4.6	ug/L			12/13/16 13:36	10
Vinyl chloride	33		10	9.0	ug/L			12/13/16 13:36	10
Xylenes, Total	ND		20	6.6	ug/L			12/13/16 13:36	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		12/13/16 13:36	10
Toluene-d8 (Surr)	102		80 - 120		12/13/16 13:36	10
4-Bromofluorobenzene (Surr)	92		73 - 120		12/13/16 13:36	10
Dibromofluoromethane (Surr)	103		75 - 123		12/13/16 13:36	10

Client Sample ID: AF-7D-120816

Date Collected: 12/08/16 11:20

Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-7

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/14/16 13:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/14/16 13:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/14/16 13:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/14/16 13:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/14/16 13:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/14/16 13:29	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-7D-120816
 Date Collected: 12/08/16 11:20
 Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-7
 Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/14/16 13:29	1
2-Hexanone	ND		5.0	1.2	ug/L			12/14/16 13:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/14/16 13:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/14/16 13:29	1
Acetone	4.8	10	10	3.0	ug/L			12/14/16 13:29	1
Benzene	ND		1.0	0.41	ug/L			12/14/16 13:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/14/16 13:29	1
Bromoform	ND		1.0	0.26	ug/L			12/14/16 13:29	1
Bromomethane	ND		1.0	0.69	ug/L			12/14/16 13:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/14/16 13:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/14/16 13:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/14/16 13:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/14/16 13:29	1
Chloroethane	ND		1.0	0.32	ug/L			12/14/16 13:29	1
Chloroform	ND		1.0	0.34	ug/L			12/14/16 13:29	1
Chloromethane	ND		1.0	0.35	ug/L			12/14/16 13:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/14/16 13:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/14/16 13:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/14/16 13:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/14/16 13:29	1
Styrene	ND		1.0	0.73	ug/L			12/14/16 13:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/14/16 13:29	1
Toluene	ND		1.0	0.51	ug/L			12/14/16 13:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/14/16 13:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/14/16 13:29	1
Trichloroethene	ND		1.0	0.46	ug/L			12/14/16 13:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/14/16 13:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/14/16 13:29	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104			77 - 120				12/14/16 13:29	1
Toluene-d8 (Surr)	101			80 - 120				12/14/16 13:29	1
4-Bromofluorobenzene (Surr)	93			73 - 120				12/14/16 13:29	1
Dibromofluoromethane (Surr)	108			75 - 123				12/14/16 13:29	1

Client Sample ID: AF-7S-120816
 Date Collected: 12/08/16 11:40
 Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-8
 Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			12/13/16 13:59	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			12/13/16 13:59	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			12/13/16 13:59	10
1,1-Dichloroethane	ND		10	3.8	ug/L			12/13/16 13:59	10
1,1-Dichloroethene	ND		10	2.9	ug/L			12/13/16 13:59	10
1,2-Dichloroethane	ND		10	2.1	ug/L			12/13/16 13:59	10
1,2-Dichloropropane	ND		10	7.2	ug/L			12/13/16 13:59	10
2-Hexanone	ND		50	12	ug/L			12/13/16 13:59	10
2-Butanone (MEK)	ND		100	13	ug/L			12/13/16 13:59	10

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-7S-120816

Lab Sample ID: 480-110853-8

Date Collected: 12/08/16 11:40
 Date Received: 12/09/16 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			12/13/16 13:59	10
Acetone	ND		100	30	ug/L			12/13/16 13:59	10
Benzene	ND		10	4.1	ug/L			12/13/16 13:59	10
Bromodichloromethane	ND		10	3.9	ug/L			12/13/16 13:59	10
Bromoform	ND		10	2.6	ug/L			12/13/16 13:59	10
Bromomethane	ND		10	6.9	ug/L			12/13/16 13:59	10
Carbon disulfide	ND		10	1.9	ug/L			12/13/16 13:59	10
Carbon tetrachloride	ND		10	2.7	ug/L			12/13/16 13:59	10
Chlorobenzene	ND		10	7.5	ug/L			12/13/16 13:59	10
Dibromochloromethane	ND		10	3.2	ug/L			12/13/16 13:59	10
Chloroethane	ND		10	3.2	ug/L			12/13/16 13:59	10
Chloroform	ND		10	3.4	ug/L			12/13/16 13:59	10
Chloromethane	ND		10	3.5	ug/L			12/13/16 13:59	10
cis-1,2-Dichloroethylene	310		10	8.1	ug/L			12/13/16 13:59	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			12/13/16 13:59	10
Ethylbenzene	ND		10	7.4	ug/L			12/13/16 13:59	10
Methylene Chloride	ND		10	4.4	ug/L			12/13/16 13:59	10
Styrene	ND		10	7.3	ug/L			12/13/16 13:59	10
Tetrachloroethylene	ND		10	3.6	ug/L			12/13/16 13:59	10
Toluene	ND		10	5.1	ug/L			12/13/16 13:59	10
trans-1,2-Dichloroethylene	ND		10	9.0	ug/L			12/13/16 13:59	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			12/13/16 13:59	10
Trichloroethylene	ND		10	4.6	ug/L			12/13/16 13:59	10
Vinyl chloride	550		10	9.0	ug/L			12/13/16 13:59	10
Xylenes, Total	ND		20	6.6	ug/L			12/13/16 13:59	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77-120		12/13/16 13:59	10
Toluene-d8 (Surr)	100		80-120		12/13/16 13:59	10
4-Bromofluorobenzene (Surr)	90		73-120		12/13/16 13:59	10
Dibromofluoromethane (Surr)	103		75-123		12/13/16 13:59	10

Client Sample ID: AF-7P-120816

Lab Sample ID: 480-110853-9

Date Collected: 12/08/16 11:50
 Date Received: 12/09/16 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 14:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 14:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 14:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 14:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 14:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 14:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 14:22	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 14:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 14:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 14:22	1
Acetone	ND		10	3.0	ug/L			12/13/16 14:22	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 14:22	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-7P-120816

Lab Sample ID: 480-110853-9

Date Collected: 12/08/16 11:50
 Date Received: 12/09/16 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 14:22	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 14:22	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 14:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 14:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 14:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 14:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 14:22	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 14:22	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 14:22	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 14:22	1
cis-1,2-Dichloroethene	2.6		1.0	0.81	ug/L			12/13/16 14:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 14:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 14:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 14:22	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 14:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 14:22	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 14:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 14:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 14:22	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 14:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/13/16 14:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 14:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	102		77-120						1
Toluene-d8 (Surr)	100		80-120						1
4-Bromofluorobenzene (Surr)	90		73-120						1
Dibromofluoromethane (Surr)	105		75-123						1

Client Sample ID: OSMW-4S-120816

Lab Sample ID: 480-110853-10

Date Collected: 12/08/16 12:40
 Date Received: 12/09/16 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 14:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 14:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 14:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 14:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 14:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 14:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 14:45	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 14:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 14:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 14:45	1
Acetone	ND		10	3.0	ug/L			12/13/16 14:45	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 14:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 14:45	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 14:45	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 14:45	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-4S-120816

Lab Sample ID: 480-110853-10

Date Collected: 12/08/16 12:40

Matrix: Water

Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 14:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 14:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 14:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 14:45	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 14:45	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 14:45	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 14:45	1
cis-1,2-Dichloroethylene	ND		1.0	0.81	ug/L			12/13/16 14:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 14:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 14:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 14:45	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 14:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 14:45	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 14:45	1
trans-1,2-Dichloroethylene	ND		1.0	0.90	ug/L			12/13/16 14:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 14:45	1
Trichloroethylene	ND		1.0	0.46	ug/L			12/13/16 14:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/13/16 14:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 14:45	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101			77 - 120				12/13/16 14:45	1
Toluene-d8 (Surr)	101			80 - 120				12/13/16 14:45	1
4-Bromofluorobenzene (Surr)	89			73 - 120				12/13/16 14:45	1
Dibromofluoromethane (Surr)	102			75 - 123				12/13/16 14:45	1

Client Sample ID: OSMW-4D-120816

Lab Sample ID: 480-110853-11

Date Collected: 12/08/16 12:50

Matrix: Water

Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 15:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 15:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 15:09	1
1,1-Dichloroethane	0.60	J	1.0	0.38	ug/L			12/13/16 15:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 15:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 15:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 15:09	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 15:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 15:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 15:09	1
Acetone	4.45	J	10	3.0	ug/L			12/13/16 15:09	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 15:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 15:09	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 15:09	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 15:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 15:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 15:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 15:09	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-4D-120816

Lab Sample ID: 480-110853-11

Date Collected: 12/08/16 12:50

Matrix: Water

Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 15:09	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 15:09	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 15:09	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 15:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/13/16 15:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 15:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 15:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 15:09	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 15:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 15:09	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 15:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 15:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 15:09	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 15:09	1
Vinyl chloride	2.5		1.0	0.90	ug/L			12/13/16 15:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 15:09	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105			77 - 120				12/13/16 15:09	1
Toluene-d8 (Surr)	101			80 - 120				12/13/16 15:09	1
4-Bromofluorobenzene (Surr)	91			73 - 120				12/13/16 15:09	1
Dibromofluoromethane (Surr)	107			75 - 123				12/13/16 15:09	1

Client Sample ID: OSMW-6S-120816

Lab Sample ID: 480-110853-12

Date Collected: 12/08/16 13:10

Matrix: Water

Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 15:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 15:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 15:32	1
1,1-Dichloroethane	1.4		1.0	0.38	ug/L			12/13/16 15:32	1
1,1-Dichloroethene	1.8		1.0	0.29	ug/L			12/13/16 15:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 15:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 15:32	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 15:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 15:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 15:32	1
Acetone	ND		10	3.0	ug/L			12/13/16 15:32	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 15:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 15:32	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 15:32	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 15:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 15:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 15:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 15:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 15:32	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 15:32	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 15:32	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-6S-120816

Lab Sample ID: 480-110853-12

Date Collected: 12/08/16 13:10

Matrix: Water

Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 15:32	1
cis-1,2-Dichloroethene	18		1.0	0.81	ug/L			12/13/16 15:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 15:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 15:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 15:32	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 15:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 15:32	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 15:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 15:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 15:32	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 15:32	1
Vinyl chloride	7.2		1.0	0.90	ug/L			12/13/16 15:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 15:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120					12/13/16 15:32	1
Toluene-d8 (Surr)	103		80 - 120					12/13/16 15:32	1
4-Bromofluorobenzene (Surr)	91		73 - 120					12/13/16 15:32	1
Dibromofluoromethane (Surr)	109		75 - 123					12/13/16 15:32	1

Client Sample ID: OSMW-6D-120816

Lab Sample ID: 480-110853-13

Date Collected: 12/08/16 13:20

Matrix: Water

Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 15:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 15:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 15:55	1
1,1-Dichloroethane	4.2		1.0	0.38	ug/L			12/13/16 15:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 15:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 15:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 15:55	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 15:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 15:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 15:55	1
Acetone	10	10		3.0	ug/L			12/13/16 15:55	1
Benzene	ND		10	0.41	ug/L			12/13/16 15:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 15:55	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 15:55	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 15:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 15:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 15:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 15:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 15:55	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 15:55	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 15:55	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 15:55	1
cis-1,2-Dichloroethene	18		1.0	0.81	ug/L			12/13/16 15:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 15:55	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-6D-120816

Lab Sample ID: 480-110853-13

Date Collected: 12/08/16 13:20
 Date Received: 12/09/16 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 15:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 15:55	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 15:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 15:55	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 15:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 15:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 15:55	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 15:55	1
Vinyl chloride	190 E	200	100	0.90	ug/L			12/13/16 15:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 15:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		12/13/16 15:55	1
Toluene-d8 (Surr)	102		80 - 120		12/13/16 15:55	1
4-Bromofluorobenzene (Surr)	90		73 - 120		12/13/16 15:55	1
Dibromofluoromethane (Surr)	106		75 - 123		12/13/16 15:55	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			12/14/16 13:52	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			12/14/16 13:52	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			12/14/16 13:52	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			12/14/16 13:52	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			12/14/16 13:52	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			12/14/16 13:52	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			12/14/16 13:52	4
2-Hexanone	ND		20	5.0	ug/L			12/14/16 13:52	4
2-Butanone (MEK)	ND		40	5.3	ug/L			12/14/16 13:52	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			12/14/16 13:52	4
Acetone	ND		40	12	ug/L			12/14/16 13:52	4
Benzene	ND		4.0	1.6	ug/L			12/14/16 13:52	4
Bromodichloromethane	ND		4.0	1.6	ug/L			12/14/16 13:52	4
Bromoform	ND		4.0	1.0	ug/L			12/14/16 13:52	4
Bromomethane	ND		4.0	2.8	ug/L			12/14/16 13:52	4
Carbon disulfide	ND		4.0	0.76	ug/L			12/14/16 13:52	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			12/14/16 13:52	4
Chlorobenzene	ND		4.0	3.0	ug/L			12/14/16 13:52	4
Dibromochloromethane	ND		4.0	1.3	ug/L			12/14/16 13:52	4
Chloroethane	ND		4.0	1.3	ug/L			12/14/16 13:52	4
Chloroform	ND		4.0	1.4	ug/L			12/14/16 13:52	4
Chloromethane	ND		4.0	1.4	ug/L			12/14/16 13:52	4
cis-1,2-Dichloroethene	19		4.0	3.2	ug/L			12/14/16 13:52	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			12/14/16 13:52	4
Ethylbenzene	ND		4.0	3.0	ug/L			12/14/16 13:52	4
Methylene Chloride	ND		4.0	1.8	ug/L			12/14/16 13:52	4
Styrene	ND		4.0	2.9	ug/L			12/14/16 13:52	4
Tetrachloroethene	ND		4.0	1.4	ug/L			12/14/16 13:52	4
Toluene	ND		4.0	2.0	ug/L			12/14/16 13:52	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			12/14/16 13:52	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			12/14/16 13:52	4

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-6D-120816

Lab Sample ID: 480-110853-13

Date Collected: 12/08/16 13:20

Matrix: Water

Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		4.0	1.8	ug/L			12/14/16 13:52	4
Vinyl chloride	200		4.0	3.6	ug/L			12/14/16 13:52	4
Xylenes, Total	ND		8.0	2.6	ug/L			12/14/16 13:52	4
Surrogate							Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107			77 - 120				12/14/16 13:52	4
Toluene-d8 (Surr)	100			80 - 120				12/14/16 13:52	4
4-Bromofluorobenzene (Surr)	89			73 - 120				12/14/16 13:52	4
Dibromofluoromethane (Surr)	104			75 - 123				12/14/16 13:52	4

Client Sample ID: OSMW-7D-120816

Lab Sample ID: 480-110853-14

Date Collected: 12/08/16 13:35

Matrix: Water

Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 16:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 16:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 16:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 16:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 16:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 16:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 16:18	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 16:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 16:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 16:18	1
Acetone	34.0	u	10	3.0	ug/L			12/13/16 16:18	1
Benzene	ND	1.0		0.41	ug/L			12/13/16 16:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 16:18	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 16:18	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 16:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 16:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 16:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 16:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 16:18	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 16:18	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 16:18	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 16:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/13/16 16:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 16:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 16:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 16:18	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 16:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 16:18	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 16:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 16:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 16:18	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 16:18	1
Vinyl chloride	9.0		1.0	0.90	ug/L			12/13/16 16:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 16:18	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-7D-120816

Date Collected: 12/08/16 13:35
 Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-14

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		12/13/16 16:18	1
Toluene-d8 (Surr)	102		80 - 120		12/13/16 16:18	1
4-Bromofluorobenzene (Surr)	91		73 - 120		12/13/16 16:18	1
Dibromofluoromethane (Surr)	106		75 - 123		12/13/16 16:18	1

Client Sample ID: OSMW-8D-120816

Date Collected: 12/08/16 14:00
 Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-15

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L	12/13/16 16:41
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	12/13/16 16:41
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	12/13/16 16:41
1,1-Dichloroethane	1.3		1.0	0.38	ug/L	12/13/16 16:41
1,1-Dichloroethene	ND		1.0	0.29	ug/L	12/13/16 16:41
1,2-Dichloroethane	ND		1.0	0.21	ug/L	12/13/16 16:41
1,2-Dichloropropane	ND		1.0	0.72	ug/L	12/13/16 16:41
2-Hexanone	ND		5.0	1.2	ug/L	12/13/16 16:41
2-Butanone (MEK)	ND		10	1.3	ug/L	12/13/16 16:41
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L	12/13/16 16:41
Acetone	ND		10	3.0	ug/L	12/13/16 16:41
Benzene	ND		1.0	0.41	ug/L	12/13/16 16:41
Bromodichloromethane	ND		1.0	0.39	ug/L	12/13/16 16:41
Bromoform	ND		1.0	0.26	ug/L	12/13/16 16:41
Bromomethane	ND		1.0	0.69	ug/L	12/13/16 16:41
Carbon disulfide	ND		1.0	0.19	ug/L	12/13/16 16:41
Carbon tetrachloride	ND		1.0	0.27	ug/L	12/13/16 16:41
Chlorobenzene	ND		1.0	0.75	ug/L	12/13/16 16:41
Dibromochloromethane	ND		1.0	0.32	ug/L	12/13/16 16:41
Chloroethane	ND		1.0	0.32	ug/L	12/13/16 16:41
Chloroform	ND		1.0	0.34	ug/L	12/13/16 16:41
Chloromethane	ND		1.0	0.35	ug/L	12/13/16 16:41
cis-1,2-Dichloroethene	30		1.0	0.81	ug/L	12/13/16 16:41
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	12/13/16 16:41
Ethylbenzene	ND		1.0	0.74	ug/L	12/13/16 16:41
Methylene Chloride	ND		1.0	0.44	ug/L	12/13/16 16:41
Styrene	ND		1.0	0.73	ug/L	12/13/16 16:41
Tetrachloroethene	ND		1.0	0.36	ug/L	12/13/16 16:41
Toluene	ND		1.0	0.51	ug/L	12/13/16 16:41
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L	12/13/16 16:41
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	12/13/16 16:41
Trichloroethene	ND		1.0	0.46	ug/L	12/13/16 16:41
Vinyl chloride	64		1.0	0.90	ug/L	12/13/16 16:41
Xylenes, Total	ND		2.0	0.66	ug/L	12/13/16 16:41

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		12/13/16 16:41	1
Toluene-d8 (Surr)	102		80 - 120		12/13/16 16:41	1
4-Bromofluorobenzene (Surr)	89		73 - 120		12/13/16 16:41	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-8D-120816

Lab Sample ID: 480-110853-15

Date Collected: 12/08/16 14:00
 Date Received: 12/09/16 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	107		75 - 123		12/13/16 16:41	1

Client Sample ID: OSMW-1D-120816

Lab Sample ID: 480-110853-16

Date Collected: 12/08/16 14:30
 Date Received: 12/09/16 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L		12/13/16 17:04		1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L		12/13/16 17:04		1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L		12/13/16 17:04		1
1,1-Dichloroethane	1.6		1.0	0.38	ug/L		12/13/16 17:04		1
1,1-Dichloroethene	ND		1.0	0.29	ug/L		12/13/16 17:04		1
1,2-Dichloroethane	ND		1.0	0.21	ug/L		12/13/16 17:04		1
1,2-Dichloropropane	ND		1.0	0.72	ug/L		12/13/16 17:04		1
2-Hexanone	ND		5.0	1.2	ug/L		12/13/16 17:04		1
2-Butanone (MEK)	ND		10	1.3	ug/L		12/13/16 17:04		1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L		12/13/16 17:04		1
Acetone	ND		10	3.0	ug/L		12/13/16 17:04		1
Benzene	ND		1.0	0.41	ug/L		12/13/16 17:04		1
Bromodichloromethane	ND		1.0	0.39	ug/L		12/13/16 17:04		1
Bromoform	ND		1.0	0.26	ug/L		12/13/16 17:04		1
Bromomethane	ND		1.0	0.69	ug/L		12/13/16 17:04		1
Carbon disulfide	ND		1.0	0.19	ug/L		12/13/16 17:04		1
Carbon tetrachloride	ND		1.0	0.27	ug/L		12/13/16 17:04		1
Chlorobenzene	ND		1.0	0.75	ug/L		12/13/16 17:04		1
Dibromochloromethane	ND		1.0	0.32	ug/L		12/13/16 17:04		1
Chloroethane	ND		1.0	0.32	ug/L		12/13/16 17:04		1
Chloroform	ND		1.0	0.34	ug/L		12/13/16 17:04		1
Chloromethane	ND		1.0	0.35	ug/L		12/13/16 17:04		1
cis-1,2-Dichloroethene	5.0		1.0	0.81	ug/L		12/13/16 17:04		1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L		12/13/16 17:04		1
Ethylbenzene	ND		1.0	0.74	ug/L		12/13/16 17:04		1
Methylene Chloride	ND		1.0	0.44	ug/L		12/13/16 17:04		1
Styrene	ND		1.0	0.73	ug/L		12/13/16 17:04		1
Tetrachloroethene	ND		1.0	0.36	ug/L		12/13/16 17:04		1
Toluene	ND		1.0	0.51	ug/L		12/13/16 17:04		1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L		12/13/16 17:04		1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L		12/13/16 17:04		1
Trichloroethene	ND		1.0	0.46	ug/L		12/13/16 17:04		1
Vinyl chloride	26		1.0	0.90	ug/L		12/13/16 17:04		1
Xylenes, Total	ND		2.0	0.66	ug/L		12/13/16 17:04		1
Surrogate	%Recovery	Qualifier	Limits			D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120				12/13/16 17:04		1
Toluene-d8 (Surr)	100		80 - 120				12/13/16 17:04		1
4-Bromofluorobenzene (Surr)	86		73 - 120				12/13/16 17:04		1
Dibromofluoromethane (Surr)	105		75 - 123				12/13/16 17:04		1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: DUP-01-120816

Lab Sample ID: 480-110853-17

Date Collected: 12/08/16 12:00

Matrix: Water

Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/14/16 14:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/14/16 14:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/14/16 14:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/14/16 14:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/14/16 14:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/14/16 14:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/14/16 14:15	1
2-Hexanone	ND		5.0	1.2	ug/L			12/14/16 14:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/14/16 14:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/14/16 14:15	1
Acetone	ND		10	3.0	ug/L			12/14/16 14:15	1
Benzene	ND		1.0	0.41	ug/L			12/14/16 14:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/14/16 14:15	1
Bromoform	ND		1.0	0.26	ug/L			12/14/16 14:15	1
Bromomethane	ND		1.0	0.69	ug/L			12/14/16 14:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/14/16 14:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/14/16 14:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/14/16 14:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/14/16 14:15	1
Chloroethane	ND		1.0	0.32	ug/L			12/14/16 14:15	1
Chloroform	ND		1.0	0.34	ug/L			12/14/16 14:15	1
Chloromethane	ND		1.0	0.35	ug/L			12/14/16 14:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/14/16 14:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/14/16 14:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/14/16 14:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/14/16 14:15	1
Styrene	ND		1.0	0.73	ug/L			12/14/16 14:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/14/16 14:15	1
Toluene	ND		1.0	0.51	ug/L			12/14/16 14:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/14/16 14:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/14/16 14:15	1
Trichloroethene	ND		1.0	0.46	ug/L			12/14/16 14:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/14/16 14:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/14/16 14:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		71 - 120					12/14/16 14:15	1
Toluene-d8 (Surr)	102		80 - 120					12/14/16 14:15	1
4-Bromofluorobenzene (Surr)	94		73 - 120					12/14/16 14:15	1
Dibromofluoromethane (Surr)	107		75 - 123					12/14/16 14:15	1

Client Sample ID: DUP-02-120816

Lab Sample ID: 480-110853-18

Date Collected: 12/08/16 11:30

Matrix: Water

Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/15/16 17:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/15/16 17:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/15/16 17:44	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: DUP-02-120816

Date Collected: 12/08/16 11:30

Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-18

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/15/16 17:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/15/16 17:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/15/16 17:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/15/16 17:44	1
2-Hexanone	ND		5.0	1.2	ug/L			12/15/16 17:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/15/16 17:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/15/16 17:44	1
Acetone	5.7	DL	10	3.0	ug/L			12/15/16 17:44	1
Benzene	ND		1.0	0.41	ug/L			12/15/16 17:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/15/16 17:44	1
Bromoform	ND		1.0	0.26	ug/L			12/15/16 17:44	1
Bromomethane	ND		1.0	0.69	ug/L			12/15/16 17:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/15/16 17:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/15/16 17:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/15/16 17:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/15/16 17:44	1
Chloroethane	ND		1.0	0.32	ug/L			12/15/16 17:44	1
Chloroform	ND		1.0	0.34	ug/L			12/15/16 17:44	1
Chloromethane	ND		1.0	0.35	ug/L			12/15/16 17:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/15/16 17:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/15/16 17:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/15/16 17:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/15/16 17:44	1
Styrene	ND		1.0	0.73	ug/L			12/15/16 17:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/15/16 17:44	1
Toluene	ND		1.0	0.51	ug/L			12/15/16 17:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/15/16 17:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/15/16 17:44	1
Trichloroethene	ND		1.0	0.46	ug/L			12/15/16 17:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/15/16 17:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/15/16 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		12/15/16 17:44	1
Toluene-d8 (Surr)	117		80 - 120		12/15/16 17:44	1
4-Bromofluorobenzene (Surr)	106		73 - 120		12/15/16 17:44	1
Dibromofluoromethane (Surr)	103		75 - 123		12/15/16 17:44	1

Client Sample ID: TRIP BLANK-120816

Date Collected: 12/08/16 00:00

Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-19

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/14/16 15:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/14/16 15:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/14/16 15:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/14/16 15:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/14/16 15:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/14/16 15:01	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: TRIP BLANK-120816

Lab Sample ID: 480-110853-19

Date Collected: 12/08/16 00:00
 Date Received: 12/09/16 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/14/16 15:01	1
2-Hexanone	ND		5.0	1.2	ug/L			12/14/16 15:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/14/16 15:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/14/16 15:01	1
Acetone	6.5	(J)	10	3.0	ug/L			12/14/16 15:01	1
Benzene	ND		1.0	0.41	ug/L			12/14/16 15:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/14/16 15:01	1
Bromoform	ND		1.0	0.26	ug/L			12/14/16 15:01	1
Bromomethane	ND		1.0	0.69	ug/L			12/14/16 15:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/14/16 15:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/14/16 15:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/14/16 15:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/14/16 15:01	1
Chloroethane	ND		1.0	0.32	ug/L			12/14/16 15:01	1
Chloroform	ND		1.0	0.34	ug/L			12/14/16 15:01	1
Chloromethane	ND		1.0	0.35	ug/L			12/14/16 15:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/14/16 15:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/14/16 15:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/14/16 15:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/14/16 15:01	1
Styrene	ND		1.0	0.73	ug/L			12/14/16 15:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/14/16 15:01	1
Toluene	ND		1.0	0.51	ug/L			12/14/16 15:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/14/16 15:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/14/16 15:01	1
Trichloroethene	ND		1.0	0.46	ug/L			12/14/16 15:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/14/16 15:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/14/16 15:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		12/14/16 15:01	1
Toluene-d8 (Surr)	102		80 - 120		12/14/16 15:01	1
4-Bromofluorobenzene (Surr)	92		73 - 120		12/14/16 15:01	1
Dibromofluoromethane (Surr)	106		75 - 123		12/14/16 15:01	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual

TestAmerica Job ID: 480-111627-1
 SDG: 480-111627-1

Client Sample ID: OSMW-8S-122816

Lab Sample ID: 480-111627-1

Date Collected: 12/28/16 11:00
 Date Received: 12/29/16 09:45

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/30/16 03:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/30/16 03:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/30/16 03:20	1
1,1-Dichloroethane	3.2		1.0	0.38	ug/L			12/30/16 03:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/30/16 03:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/30/16 03:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/30/16 03:20	1
2-Hexanone	ND <i>UJ</i>		5.0	1.2	ug/L			12/30/16 03:20	1
2-Butanone (MEK)	ND <i>UJ</i>		10	1.3	ug/L			12/30/16 03:20	1
4-Methyl-2-pentanone (MIBK)	ND <i>UJ</i>		5.0	2.1	ug/L			12/30/16 03:20	1
Acetone	ND		10	3.0	ug/L			12/30/16 03:20	1
Benzene	ND		1.0	0.41	ug/L			12/30/16 03:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/30/16 03:20	1
Bromoform	ND		1.0	0.26	ug/L			12/30/16 03:20	1
Bromomethane	ND		1.0	0.69	ug/L			12/30/16 03:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/30/16 03:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/30/16 03:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/30/16 03:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/30/16 03:20	1
Chloroethane	ND		1.0	0.32	ug/L			12/30/16 03:20	1
Chloroform	ND		1.0	0.34	ug/L			12/30/16 03:20	1
Chloromethane	ND		1.0	0.35	ug/L			12/30/16 03:20	1
cis-1,2-Dichloroethene	2.9		1.0	0.81	ug/L			12/30/16 03:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/30/16 03:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/30/16 03:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/30/16 03:20	1
Styrene	ND		1.0	0.73	ug/L			12/30/16 03:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/30/16 03:20	1
Toluene	2.5		1.0	0.51	ug/L			12/30/16 03:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/30/16 03:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/30/16 03:20	1
Trichloroethene	ND		1.0	0.46	ug/L			12/30/16 03:20	1
Vinyl chloride	ND <i>UJ</i>		1.0	0.90	ug/L			12/30/16 03:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/30/16 03:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		12/30/16 03:20	1
Toluene-d8 (Surr)	100		80 - 120		12/30/16 03:20	1
4-Bromofluorobenzene (Surr)	90		73 - 120		12/30/16 03:20	1
Dibromofluoromethane (Surr)	107		75 - 123		12/30/16 03:20	1

Client Sample ID: Trip Blank-122816

Lab Sample ID: 480-111627-2

Date Collected: 12/28/16 00:00
 Date Received: 12/29/16 09:45

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/30/16 03:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/30/16 03:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/30/16 03:43	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual

TestAmerica Job ID: 480-111627-1
 SDG: 480-111627-1

Client Sample ID: Trip Blank-122816

Lab Sample ID: 480-111627-2

Date Collected: 12/28/16 00:00
 Date Received: 12/29/16 09:45

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichlorethane	ND		1.0	0.38	ug/L			12/30/16 03:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/30/16 03:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/30/16 03:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/30/16 03:43	1
2-Hexanone	ND <i>WS</i>		5.0	1.2	ug/L			12/30/16 03:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/30/16 03:43	1
4-Methyl-2-pentanone (MIBK)	ND <i>WS</i>		5.0	2.1	ug/L			12/30/16 03:43	1
Acetone	ND		10	3.0	ug/L			12/30/16 03:43	1
Benzene	ND		1.0	0.41	ug/L			12/30/16 03:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/30/16 03:43	1
Bromoform	ND		1.0	0.26	ug/L			12/30/16 03:43	1
Bromomethane	ND		1.0	0.69	ug/L			12/30/16 03:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/30/16 03:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/30/16 03:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/30/16 03:43	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/30/16 03:43	1
Chloroethane	ND		1.0	0.32	ug/L			12/30/16 03:43	1
Chloroform	ND		1.0	0.34	ug/L			12/30/16 03:43	1
Chloromethane	ND		1.0	0.35	ug/L			12/30/16 03:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/30/16 03:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/30/16 03:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/30/16 03:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/30/16 03:43	1
Styrene	ND		1.0	0.73	ug/L			12/30/16 03:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/30/16 03:43	1
Toluene	ND		1.0	0.51	ug/L			12/30/16 03:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/30/16 03:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/30/16 03:43	1
Trichloroethene	ND		1.0	0.46	ug/L			12/30/16 03:43	1
Vinyl chloride	ND <i>WS</i>		1.0	0.90	ug/L			12/30/16 03:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/30/16 03:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120			1
Toluene-d8 (Surr)	100		80 - 120			1
4-Bromofluorobenzene (Surr)	91		73 - 120			1
Dibromofluoromethane (Surr)	107		75 - 123			1

**Appendix B – Analytical
Laboratory Reports
(on CD)**

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-106957-1

TestAmerica Sample Delivery Group: 480-106957-1

Client Project/Site: GE - IRM

Sampling Event: GE IRM - Monthly

For:

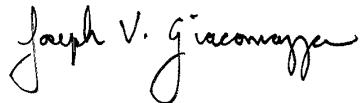
O'Brien & Gere Inc of North America

8805 Governor's Hill Dr.

Ste. 164

Cincinnati, Ohio 45249

Attn: Chase Forman



Authorized for release by:

10/10/2016 3:41:30 PM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?

Ask
The
Expert

Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	7
Surrogate Summary	15
QC Sample Results	16
QC Association Summary	20
Lab Chronicle	21
Certification Summary	23
Method Summary	24
Sample Summary	25
Chain of Custody	26
Receipt Checklists	27

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-106957-1
SDG: 480-106957-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-106957-1
SDG: 480-106957-1

Job ID: 480-106957-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-106957-1

Receipt

The samples were received on 10/4/2016 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.1° C.

Receipt Exceptions

For the following sample, matrix QC is not requested on the COC, however 9 VOA vials were received therefore the sample was logged for MS/MSD. The client has been notified: EW-3D 100316 (480-106957-3)

GC/MS VOA

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: EW-7S 100316 (480-106957-1), EW-3D 100316 (480-106957-3), EW- 3D 100316 (480-106957-3[MS]), EW-3D 100316 (480-106957-3[MSD]), EW-4P 100316 (480-106957-4), EW-5P 100316 (480-106957-5), EW-2P 100316 (480-106957-6), EW-6P 100316 (480-106957-7) and ADP-100 100316 (480-106957-8). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-324315 recovered above the upper control limit for Methylene Chloride. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The following samples are impacted: EW-7S 100316 (480-106957-1), EW-8D 100316 (480-106957-2), EW-3D 100316 (480-106957-3), EW-4P 100316 (480-106957-4), EW-5P 100316 (480-106957-5), EW-2P 100316 (480-106957-6), EW-6P 100316 (480-106957-7) and ADP-100 100316 (480-106957-8).

Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-324315 were outside control limits for the analytes cis-1,2-Dichloroethene and Trichloroethene. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-106957-1
 SDG: 480-106957-1

Client Sample ID: EW-7S 100316

Lab Sample ID: 480-106957-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	150		4.0	3.2	ug/L	4		8260C	Total/NA
Vinyl chloride	250		4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: EW-8D 100316

Lab Sample ID: 480-106957-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.1		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	3.8		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.7		1.0	0.90	ug/L	1		8260C	Total/NA
Vinyl chloride	6.3		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: EW-3D 100316

Lab Sample ID: 480-106957-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	150	F1	4.0	3.2	ug/L	4		8260C	Total/NA
trans-1,2-Dichloroethene	30		4.0	3.6	ug/L	4		8260C	Total/NA
Trichloroethene	220	F1	4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	4.0		4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: EW-4P 100316

Lab Sample ID: 480-106957-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	98		4.0	3.3	ug/L	4		8260C	Total/NA
1,1-Dichloroethane	26		4.0	1.5	ug/L	4		8260C	Total/NA
1,1-Dichloroethene	11		4.0	1.2	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	28		4.0	3.2	ug/L	4		8260C	Total/NA
Trichloroethene	180		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: EW-5P 100316

Lab Sample ID: 480-106957-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	100		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	27		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	12		2.0	0.58	ug/L	2		8260C	Total/NA
Chloroform	0.86	J	2.0	0.68	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	27		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	0.97	J	2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	190		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	1.8	J	2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: EW-2P 100316

Lab Sample ID: 480-106957-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	93		5.0	4.1	ug/L	5		8260C	Total/NA
1,1-Dichloroethane	10		5.0	1.9	ug/L	5		8260C	Total/NA
1,1-Dichloroethene	5.4		5.0	1.5	ug/L	5		8260C	Total/NA
Chloroform	2.1	J	5.0	1.7	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	14		5.0	4.1	ug/L	5		8260C	Total/NA
Trichloroethene	200		5.0	2.3	ug/L	5		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-106957-1
 SDG: 480-106957-1

Client Sample ID: EW-6P 100316

Lab Sample ID: 480-106957-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	33		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	5.5		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.9	J	2.0	0.58	ug/L	2		8260C	Total/NA
Chloroform	0.69	J	2.0	0.68	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	10		2.0	1.6	ug/L	2		8260C	Total/NA
Trichloroethene	110		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	2.5		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: ADP-100 100316

Lab Sample ID: 480-106957-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	32		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	5.3		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.9	J	2.0	0.58	ug/L	2		8260C	Total/NA
Chloroform	0.68	J	2.0	0.68	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	9.3		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	1.2	J	2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	110		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	2.1		2.0	1.8	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-106957-1
 SDG: 480-106957-1

Client Sample ID: EW-7S 100316

Lab Sample ID: 480-106957-1

Date Collected: 10/03/16 07:15
 Date Received: 10/04/16 10:00

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			10/07/16 13:42	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			10/07/16 13:42	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			10/07/16 13:42	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			10/07/16 13:42	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			10/07/16 13:42	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			10/07/16 13:42	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			10/07/16 13:42	4
2-Hexanone	ND		20	5.0	ug/L			10/07/16 13:42	4
2-Butanone (MEK)	ND		40	5.3	ug/L			10/07/16 13:42	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			10/07/16 13:42	4
Acetone	ND		40	12	ug/L			10/07/16 13:42	4
Benzene	ND		4.0	1.6	ug/L			10/07/16 13:42	4
Bromodichloromethane	ND		4.0	1.6	ug/L			10/07/16 13:42	4
Bromoform	ND		4.0	1.0	ug/L			10/07/16 13:42	4
Bromomethane	ND		4.0	2.8	ug/L			10/07/16 13:42	4
Carbon disulfide	ND		4.0	0.76	ug/L			10/07/16 13:42	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			10/07/16 13:42	4
Chlorobenzene	ND		4.0	3.0	ug/L			10/07/16 13:42	4
Dibromochloromethane	ND		4.0	1.3	ug/L			10/07/16 13:42	4
Chloroethane	ND		4.0	1.3	ug/L			10/07/16 13:42	4
Chloroform	ND		4.0	1.4	ug/L			10/07/16 13:42	4
Chloromethane	ND		4.0	1.4	ug/L			10/07/16 13:42	4
cis-1,2-Dichloroethene	150		4.0	3.2	ug/L			10/07/16 13:42	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			10/07/16 13:42	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/07/16 13:42	4
Methylene Chloride	ND		4.0	1.8	ug/L			10/07/16 13:42	4
Styrene	ND		4.0	2.9	ug/L			10/07/16 13:42	4
Tetrachloroethene	ND		4.0	1.4	ug/L			10/07/16 13:42	4
Toluene	ND		4.0	2.0	ug/L			10/07/16 13:42	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			10/07/16 13:42	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			10/07/16 13:42	4
Trichloroethene	ND		4.0	1.8	ug/L			10/07/16 13:42	4
Vinyl chloride	250		4.0	3.6	ug/L			10/07/16 13:42	4
Xylenes, Total	ND		8.0	2.6	ug/L			10/07/16 13:42	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		10/07/16 13:42	4
Toluene-d8 (Surr)	102		80 - 120		10/07/16 13:42	4
4-Bromofluorobenzene (Surr)	99		73 - 120		10/07/16 13:42	4
Dibromofluoromethane (Surr)	97		75 - 123		10/07/16 13:42	4

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-106957-1
 SDG: 480-106957-1

Client Sample ID: EW-8D 100316

Date Collected: 10/03/16 07:11
 Date Received: 10/04/16 10:00

Lab Sample ID: 480-106957-2
 Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/07/16 14:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/07/16 14:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/07/16 14:08	1
1,1-Dichloroethane	1.1		1.0	0.38	ug/L			10/07/16 14:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/07/16 14:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/07/16 14:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/07/16 14:08	1
2-Hexanone	ND		5.0	1.2	ug/L			10/07/16 14:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/07/16 14:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/07/16 14:08	1
Acetone	ND		10	3.0	ug/L			10/07/16 14:08	1
Benzene	ND		1.0	0.41	ug/L			10/07/16 14:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/07/16 14:08	1
Bromoform	ND		1.0	0.26	ug/L			10/07/16 14:08	1
Bromomethane	ND		1.0	0.69	ug/L			10/07/16 14:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/07/16 14:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/07/16 14:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/07/16 14:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/07/16 14:08	1
Chloroethane	ND		1.0	0.32	ug/L			10/07/16 14:08	1
Chloroform	ND		1.0	0.34	ug/L			10/07/16 14:08	1
Chloromethane	ND		1.0	0.35	ug/L			10/07/16 14:08	1
cis-1,2-Dichloroethene	3.8		1.0	0.81	ug/L			10/07/16 14:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/07/16 14:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/07/16 14:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/07/16 14:08	1
Styrene	ND		1.0	0.73	ug/L			10/07/16 14:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/07/16 14:08	1
Toluene	ND		1.0	0.51	ug/L			10/07/16 14:08	1
trans-1,2-Dichloroethene	1.7		1.0	0.90	ug/L			10/07/16 14:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/07/16 14:08	1
Trichloroethene	ND		1.0	0.46	ug/L			10/07/16 14:08	1
Vinyl chloride	6.3		1.0	0.90	ug/L			10/07/16 14:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/07/16 14:08	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107			77 - 120				10/07/16 14:08	1
Toluene-d8 (Surr)	100			80 - 120				10/07/16 14:08	1
4-Bromofluorobenzene (Surr)	98			73 - 120				10/07/16 14:08	1
Dibromofluoromethane (Surr)	100			75 - 123				10/07/16 14:08	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-106957-1
 SDG: 480-106957-1

Client Sample ID: EW-3D 100316

Date Collected: 10/03/16 06:50

Date Received: 10/04/16 10:00

Lab Sample ID: 480-106957-3

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			10/07/16 14:35	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			10/07/16 14:35	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			10/07/16 14:35	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			10/07/16 14:35	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			10/07/16 14:35	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			10/07/16 14:35	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			10/07/16 14:35	4
2-Hexanone	ND		20	5.0	ug/L			10/07/16 14:35	4
2-Butanone (MEK)	ND		40	5.3	ug/L			10/07/16 14:35	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			10/07/16 14:35	4
Acetone	ND		40	12	ug/L			10/07/16 14:35	4
Benzene	ND		4.0	1.6	ug/L			10/07/16 14:35	4
Bromodichloromethane	ND		4.0	1.6	ug/L			10/07/16 14:35	4
Bromoform	ND		4.0	1.0	ug/L			10/07/16 14:35	4
Bromomethane	ND		4.0	2.8	ug/L			10/07/16 14:35	4
Carbon disulfide	ND		4.0	0.76	ug/L			10/07/16 14:35	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			10/07/16 14:35	4
Chlorobenzene	ND		4.0	3.0	ug/L			10/07/16 14:35	4
Dibromochloromethane	ND		4.0	1.3	ug/L			10/07/16 14:35	4
Chloroethane	ND		4.0	1.3	ug/L			10/07/16 14:35	4
Chloroform	ND		4.0	1.4	ug/L			10/07/16 14:35	4
Chloromethane	ND		4.0	1.4	ug/L			10/07/16 14:35	4
cis-1,2-Dichloroethene	150	F1	4.0	3.2	ug/L			10/07/16 14:35	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			10/07/16 14:35	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/07/16 14:35	4
Methylene Chloride	ND		4.0	1.8	ug/L			10/07/16 14:35	4
Styrene	ND		4.0	2.9	ug/L			10/07/16 14:35	4
Tetrachloroethene	ND		4.0	1.4	ug/L			10/07/16 14:35	4
Toluene	ND		4.0	2.0	ug/L			10/07/16 14:35	4
trans-1,2-Dichloroethene	30		4.0	3.6	ug/L			10/07/16 14:35	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			10/07/16 14:35	4
Trichloroethene	220	F1	4.0	1.8	ug/L			10/07/16 14:35	4
Vinyl chloride	4.0		4.0	3.6	ug/L			10/07/16 14:35	4
Xylenes, Total	ND		8.0	2.6	ug/L			10/07/16 14:35	4
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103			77 - 120				10/07/16 14:35	4
Toluene-d8 (Surr)	99			80 - 120				10/07/16 14:35	4
4-Bromofluorobenzene (Surr)	101			73 - 120				10/07/16 14:35	4
Dibromofluoromethane (Surr)	103			75 - 123				10/07/16 14:35	4

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-106957-1
 SDG: 480-106957-1

Client Sample ID: EW-4P 100316

Date Collected: 10/03/16 06:35

Date Received: 10/04/16 10:00

Lab Sample ID: 480-106957-4

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	98		4.0	3.3	ug/L			10/07/16 15:02	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			10/07/16 15:02	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			10/07/16 15:02	4
1,1-Dichloroethane	26		4.0	1.5	ug/L			10/07/16 15:02	4
1,1-Dichloroethene	11		4.0	1.2	ug/L			10/07/16 15:02	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			10/07/16 15:02	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			10/07/16 15:02	4
2-Hexanone	ND		20	5.0	ug/L			10/07/16 15:02	4
2-Butanone (MEK)	ND		40	5.3	ug/L			10/07/16 15:02	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			10/07/16 15:02	4
Acetone	ND		40	12	ug/L			10/07/16 15:02	4
Benzene	ND		4.0	1.6	ug/L			10/07/16 15:02	4
Bromodichloromethane	ND		4.0	1.6	ug/L			10/07/16 15:02	4
Bromoform	ND		4.0	1.0	ug/L			10/07/16 15:02	4
Bromomethane	ND		4.0	2.8	ug/L			10/07/16 15:02	4
Carbon disulfide	ND		4.0	0.76	ug/L			10/07/16 15:02	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			10/07/16 15:02	4
Chlorobenzene	ND		4.0	3.0	ug/L			10/07/16 15:02	4
Dibromochloromethane	ND		4.0	1.3	ug/L			10/07/16 15:02	4
Chloroethane	ND		4.0	1.3	ug/L			10/07/16 15:02	4
Chloroform	ND		4.0	1.4	ug/L			10/07/16 15:02	4
Chloromethane	ND		4.0	1.4	ug/L			10/07/16 15:02	4
cis-1,2-Dichloroethene	28		4.0	3.2	ug/L			10/07/16 15:02	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			10/07/16 15:02	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/07/16 15:02	4
Methylene Chloride	ND		4.0	1.8	ug/L			10/07/16 15:02	4
Styrene	ND		4.0	2.9	ug/L			10/07/16 15:02	4
Tetrachloroethene	ND		4.0	1.4	ug/L			10/07/16 15:02	4
Toluene	ND		4.0	2.0	ug/L			10/07/16 15:02	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			10/07/16 15:02	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			10/07/16 15:02	4
Trichloroethene	180		4.0	1.8	ug/L			10/07/16 15:02	4
Vinyl chloride	ND		4.0	3.6	ug/L			10/07/16 15:02	4
Xylenes, Total	ND		8.0	2.6	ug/L			10/07/16 15:02	4
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102			77 - 120				10/07/16 15:02	4
Toluene-d8 (Surr)	99			80 - 120				10/07/16 15:02	4
4-Bromofluorobenzene (Surr)	100			73 - 120				10/07/16 15:02	4
Dibromofluoromethane (Surr)	95			75 - 123				10/07/16 15:02	4

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-106957-1
 SDG: 480-106957-1

Client Sample ID: EW-5P 100316

Date Collected: 10/03/16 06:28

Date Received: 10/04/16 10:00

Lab Sample ID: 480-106957-5

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	100		2.0	1.6	ug/L			10/07/16 15:29	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/07/16 15:29	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/07/16 15:29	2
1,1-Dichloroethane	27		2.0	0.76	ug/L			10/07/16 15:29	2
1,1-Dichloroethene	12		2.0	0.58	ug/L			10/07/16 15:29	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/07/16 15:29	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/07/16 15:29	2
2-Hexanone	ND		10	2.5	ug/L			10/07/16 15:29	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/07/16 15:29	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/07/16 15:29	2
Acetone	ND		20	6.0	ug/L			10/07/16 15:29	2
Benzene	ND		2.0	0.82	ug/L			10/07/16 15:29	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/07/16 15:29	2
Bromoform	ND		2.0	0.52	ug/L			10/07/16 15:29	2
Bromomethane	ND		2.0	1.4	ug/L			10/07/16 15:29	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/07/16 15:29	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/07/16 15:29	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/07/16 15:29	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/07/16 15:29	2
Chloroethane	ND		2.0	0.64	ug/L			10/07/16 15:29	2
Chloroform	0.86 J		2.0	0.68	ug/L			10/07/16 15:29	2
Chloromethane	ND		2.0	0.70	ug/L			10/07/16 15:29	2
cis-1,2-Dichloroethene	27		2.0	1.6	ug/L			10/07/16 15:29	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/07/16 15:29	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/07/16 15:29	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/07/16 15:29	2
Styrene	ND		2.0	1.5	ug/L			10/07/16 15:29	2
Tetrachloroethene	0.97 J		2.0	0.72	ug/L			10/07/16 15:29	2
Toluene	ND		2.0	1.0	ug/L			10/07/16 15:29	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			10/07/16 15:29	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/07/16 15:29	2
Trichloroethene	190		2.0	0.92	ug/L			10/07/16 15:29	2
Vinyl chloride	1.8 J		2.0	1.8	ug/L			10/07/16 15:29	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/07/16 15:29	2
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	109		77 - 120				10/07/16 15:29	2	
Toluene-d8 (Surr)	101		80 - 120				10/07/16 15:29	2	
4-Bromofluorobenzene (Surr)	98		73 - 120				10/07/16 15:29	2	
Dibromofluoromethane (Surr)	103		75 - 123				10/07/16 15:29	2	

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-106957-1
 SDG: 480-106957-1

Client Sample ID: EW-2P 100316

Date Collected: 10/03/16 06:15

Date Received: 10/04/16 10:00

Lab Sample ID: 480-106957-6

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	93		5.0	4.1	ug/L			10/07/16 15:56	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			10/07/16 15:56	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			10/07/16 15:56	5
1,1-Dichloroethane	10		5.0	1.9	ug/L			10/07/16 15:56	5
1,1-Dichloroethene	5.4		5.0	1.5	ug/L			10/07/16 15:56	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			10/07/16 15:56	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			10/07/16 15:56	5
2-Hexanone	ND		25	6.2	ug/L			10/07/16 15:56	5
2-Butanone (MEK)	ND		50	6.6	ug/L			10/07/16 15:56	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			10/07/16 15:56	5
Acetone	ND		50	15	ug/L			10/07/16 15:56	5
Benzene	ND		5.0	2.1	ug/L			10/07/16 15:56	5
Bromodichloromethane	ND		5.0	2.0	ug/L			10/07/16 15:56	5
Bromoform	ND		5.0	1.3	ug/L			10/07/16 15:56	5
Bromomethane	ND		5.0	3.5	ug/L			10/07/16 15:56	5
Carbon disulfide	ND		5.0	0.95	ug/L			10/07/16 15:56	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			10/07/16 15:56	5
Chlorobenzene	ND		5.0	3.8	ug/L			10/07/16 15:56	5
Dibromochloromethane	ND		5.0	1.6	ug/L			10/07/16 15:56	5
Chloroethane	ND		5.0	1.6	ug/L			10/07/16 15:56	5
Chloroform	2.1 J		5.0	1.7	ug/L			10/07/16 15:56	5
Chloromethane	ND		5.0	1.8	ug/L			10/07/16 15:56	5
cis-1,2-Dichloroethene	14		5.0	4.1	ug/L			10/07/16 15:56	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			10/07/16 15:56	5
Ethylbenzene	ND		5.0	3.7	ug/L			10/07/16 15:56	5
Methylene Chloride	ND		5.0	2.2	ug/L			10/07/16 15:56	5
Styrene	ND		5.0	3.7	ug/L			10/07/16 15:56	5
Tetrachloroethene	ND		5.0	1.8	ug/L			10/07/16 15:56	5
Toluene	ND		5.0	2.6	ug/L			10/07/16 15:56	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			10/07/16 15:56	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			10/07/16 15:56	5
Trichloroethene	200		5.0	2.3	ug/L			10/07/16 15:56	5
Vinyl chloride	ND		5.0	4.5	ug/L			10/07/16 15:56	5
Xylenes, Total	ND		10	3.3	ug/L			10/07/16 15:56	5
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108			77 - 120				10/07/16 15:56	5
Toluene-d8 (Surr)	100			80 - 120				10/07/16 15:56	5
4-Bromofluorobenzene (Surr)	100			73 - 120				10/07/16 15:56	5
Dibromofluoromethane (Surr)	103			75 - 123				10/07/16 15:56	5

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-106957-1
 SDG: 480-106957-1

Client Sample ID: EW-6P 100316

Date Collected: 10/03/16 06:02

Date Received: 10/04/16 10:00

Lab Sample ID: 480-106957-7

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	33		2.0	1.6	ug/L			10/07/16 16:23	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/07/16 16:23	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/07/16 16:23	2
1,1-Dichloroethane	5.5		2.0	0.76	ug/L			10/07/16 16:23	2
1,1-Dichloroethene	1.9 J		2.0	0.58	ug/L			10/07/16 16:23	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/07/16 16:23	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/07/16 16:23	2
2-Hexanone	ND		10	2.5	ug/L			10/07/16 16:23	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/07/16 16:23	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/07/16 16:23	2
Acetone	ND		20	6.0	ug/L			10/07/16 16:23	2
Benzene	ND		2.0	0.82	ug/L			10/07/16 16:23	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/07/16 16:23	2
Bromoform	ND		2.0	0.52	ug/L			10/07/16 16:23	2
Bromomethane	ND		2.0	1.4	ug/L			10/07/16 16:23	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/07/16 16:23	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/07/16 16:23	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/07/16 16:23	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/07/16 16:23	2
Chloroethane	ND		2.0	0.64	ug/L			10/07/16 16:23	2
Chloroform	0.69 J		2.0	0.68	ug/L			10/07/16 16:23	2
Chloromethane	ND		2.0	0.70	ug/L			10/07/16 16:23	2
cis-1,2-Dichloroethene	10		2.0	1.6	ug/L			10/07/16 16:23	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/07/16 16:23	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/07/16 16:23	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/07/16 16:23	2
Styrene	ND		2.0	1.5	ug/L			10/07/16 16:23	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/07/16 16:23	2
Toluene	ND		2.0	1.0	ug/L			10/07/16 16:23	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			10/07/16 16:23	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/07/16 16:23	2
Trichloroethene	110		2.0	0.92	ug/L			10/07/16 16:23	2
Vinyl chloride	2.5		2.0	1.8	ug/L			10/07/16 16:23	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/07/16 16:23	2
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108			77 - 120				10/07/16 16:23	2
Toluene-d8 (Surr)	96			80 - 120				10/07/16 16:23	2
4-Bromofluorobenzene (Surr)	99			73 - 120				10/07/16 16:23	2
Dibromofluoromethane (Surr)	100			75 - 123				10/07/16 16:23	2

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-106957-1
 SDG: 480-106957-1

Client Sample ID: ADP-100 100316

Date Collected: 10/03/16 05:58

Date Received: 10/04/16 10:00

Lab Sample ID: 480-106957-8

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	32		2.0	1.6	ug/L			10/07/16 16:50	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/07/16 16:50	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/07/16 16:50	2
1,1-Dichloroethane	5.3		2.0	0.76	ug/L			10/07/16 16:50	2
1,1-Dichloroethene	1.9 J		2.0	0.58	ug/L			10/07/16 16:50	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/07/16 16:50	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/07/16 16:50	2
2-Hexanone	ND		10	2.5	ug/L			10/07/16 16:50	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/07/16 16:50	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/07/16 16:50	2
Acetone	ND		20	6.0	ug/L			10/07/16 16:50	2
Benzene	ND		2.0	0.82	ug/L			10/07/16 16:50	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/07/16 16:50	2
Bromoform	ND		2.0	0.52	ug/L			10/07/16 16:50	2
Bromomethane	ND		2.0	1.4	ug/L			10/07/16 16:50	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/07/16 16:50	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/07/16 16:50	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/07/16 16:50	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/07/16 16:50	2
Chloroethane	ND		2.0	0.64	ug/L			10/07/16 16:50	2
Chloroform	0.68 J		2.0	0.68	ug/L			10/07/16 16:50	2
Chloromethane	ND		2.0	0.70	ug/L			10/07/16 16:50	2
cis-1,2-Dichloroethene	9.3		2.0	1.6	ug/L			10/07/16 16:50	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/07/16 16:50	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/07/16 16:50	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/07/16 16:50	2
Styrene	ND		2.0	1.5	ug/L			10/07/16 16:50	2
Tetrachloroethene	1.2 J		2.0	0.72	ug/L			10/07/16 16:50	2
Toluene	ND		2.0	1.0	ug/L			10/07/16 16:50	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			10/07/16 16:50	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/07/16 16:50	2
Trichloroethene	110		2.0	0.92	ug/L			10/07/16 16:50	2
Vinyl chloride	2.1		2.0	1.8	ug/L			10/07/16 16:50	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/07/16 16:50	2
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107			77 - 120				10/07/16 16:50	2
Toluene-d8 (Surr)	101			80 - 120				10/07/16 16:50	2
4-Bromofluorobenzene (Surr)	98			73 - 120				10/07/16 16:50	2
Dibromofluoromethane (Surr)	95			75 - 123				10/07/16 16:50	2

TestAmerica Buffalo

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-106957-1
SDG: 480-106957-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (77-120)	TOL (80-120)	BFB (73-120)	DBFM (75-123)
480-106957-1	EW-7S 100316	106	102	99	97
480-106957-2	EW-8D 100316	107	100	98	100
480-106957-3	EW-3D 100316	103	99	101	103
480-106957-3 MS	EW- 3D 100316	103	100	102	104
480-106957-3 MSD	EW-3D 100316	101	101	96	94
480-106957-4	EW-4P 100316	102	99	100	95
480-106957-5	EW-5P 100316	109	101	98	103
480-106957-6	EW-2P 100316	108	100	100	103
480-106957-7	EW-6P 100316	108	96	99	100
480-106957-8	ADP-100 100316	107	101	98	95

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (77-120)	TOL (80-120)	BFB (73-120)	DBFM (75-123)
LCS 480-324315/5	Lab Control Sample	104	104	97	101
MB 480-324315/7	Method Blank	108	98	103	107

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-106957-1
SDG: 480-106957-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-324315/7

Matrix: Water

Analysis Batch: 324315

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	Dil Fac						
	Result	Qualifier		RL	MDL	Unit	D	Prepared	Analyzed
1,1,1-Trichloroethane	ND			1.0	0.82	ug/L		10/07/16 13:15	1
1,1,2,2-Tetrachloroethane	ND			1.0	0.21	ug/L		10/07/16 13:15	1
1,1,2-Trichloroethane	ND			1.0	0.23	ug/L		10/07/16 13:15	1
1,1-Dichloroethane	ND			1.0	0.38	ug/L		10/07/16 13:15	1
1,1-Dichloroethene	ND			1.0	0.29	ug/L		10/07/16 13:15	1
1,2-Dichloroethane	ND			1.0	0.21	ug/L		10/07/16 13:15	1
1,2-Dichloropropane	ND			1.0	0.72	ug/L		10/07/16 13:15	1
2-Hexanone	ND			5.0	1.2	ug/L		10/07/16 13:15	1
2-Butanone (MEK)	ND			10	1.3	ug/L		10/07/16 13:15	1
4-Methyl-2-pentanone (MIBK)	ND			5.0	2.1	ug/L		10/07/16 13:15	1
Acetone	ND			10	3.0	ug/L		10/07/16 13:15	1
Benzene	ND			1.0	0.41	ug/L		10/07/16 13:15	1
Bromodichloromethane	ND			1.0	0.39	ug/L		10/07/16 13:15	1
Bromoform	ND			1.0	0.26	ug/L		10/07/16 13:15	1
Bromomethane	ND			1.0	0.69	ug/L		10/07/16 13:15	1
Carbon disulfide	ND			1.0	0.19	ug/L		10/07/16 13:15	1
Carbon tetrachloride	ND			1.0	0.27	ug/L		10/07/16 13:15	1
Chlorobenzene	ND			1.0	0.75	ug/L		10/07/16 13:15	1
Dibromochloromethane	ND			1.0	0.32	ug/L		10/07/16 13:15	1
Chloroethane	ND			1.0	0.32	ug/L		10/07/16 13:15	1
Chloroform	ND			1.0	0.34	ug/L		10/07/16 13:15	1
Chloromethane	ND			1.0	0.35	ug/L		10/07/16 13:15	1
cis-1,2-Dichloroethene	ND			1.0	0.81	ug/L		10/07/16 13:15	1
cis-1,3-Dichloropropene	ND			1.0	0.36	ug/L		10/07/16 13:15	1
Ethylbenzene	ND			1.0	0.74	ug/L		10/07/16 13:15	1
Methylene Chloride	ND			1.0	0.44	ug/L		10/07/16 13:15	1
Styrene	ND			1.0	0.73	ug/L		10/07/16 13:15	1
Tetrachloroethene	ND			1.0	0.36	ug/L		10/07/16 13:15	1
Toluene	ND			1.0	0.51	ug/L		10/07/16 13:15	1
trans-1,2-Dichloroethene	ND			1.0	0.90	ug/L		10/07/16 13:15	1
trans-1,3-Dichloropropene	ND			1.0	0.37	ug/L		10/07/16 13:15	1
Trichloroethene	ND			1.0	0.46	ug/L		10/07/16 13:15	1
Vinyl chloride	ND			1.0	0.90	ug/L		10/07/16 13:15	1
Xylenes, Total	ND			2.0	0.66	ug/L		10/07/16 13:15	1

Surrogate	MB	MB	Dil Fac				
	%Recovery	Qualifier		Limits	Prepared	Analyzed	
1,2-Dichloroethane-d4 (Surr)	108			77 - 120		10/07/16 13:15	1
Toluene-d8 (Surr)	98			80 - 120		10/07/16 13:15	1
4-Bromofluorobenzene (Surr)	103			73 - 120		10/07/16 13:15	1
Dibromofluoromethane (Surr)	107			75 - 123		10/07/16 13:15	1

Lab Sample ID: LCS 480-324315/5

Matrix: Water

Analysis Batch: 324315

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Dil Fac	%Rec.	Limits
	Added	Result	Qualifier		Unit	
1,1,1-Trichloroethane	25.0	26.4			106	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.9			100	76 - 120

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-106957-1
SDG: 480-106957-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-324315/5

Matrix: Water

Analysis Batch: 324315

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike		LCS		Unit	D	%Rec	Limits	%Rec.
	Added	Result	Qualifier	LCS					
1,1,2-Trichloroethane	25.0	26.8		ug/L		107	76 - 122		
1,1-Dichloroethane	25.0	24.8		ug/L		99	77 - 120		
1,1-Dichloroethene	25.0	26.5		ug/L		106	66 - 127		
1,2-Dichloroethane	25.0	25.0		ug/L		100	75 - 120		
1,2-Dichloropropane	25.0	25.9		ug/L		104	76 - 120		
2-Hexanone	125	147		ug/L		118	65 - 127		
2-Butanone (MEK)	125	150		ug/L		120	57 - 140		
4-Methyl-2-pentanone (MIBK)	125	133		ug/L		106	71 - 125		
Acetone	125	158		ug/L		126	56 - 142		
Benzene	25.0	25.9		ug/L		104	71 - 124		
Bromodichloromethane	25.0	27.0		ug/L		108	80 - 122		
Bromoform	25.0	25.5		ug/L		102	61 - 132		
Bromomethane	25.0	23.4		ug/L		94	55 - 144		
Carbon disulfide	25.0	25.8		ug/L		103	59 - 134		
Carbon tetrachloride	25.0	27.6		ug/L		110	72 - 134		
Chlorobenzene	25.0	25.5		ug/L		102	80 - 120		
Dibromochloromethane	25.0	25.5		ug/L		102	75 - 125		
Chloroethane	25.0	25.3		ug/L		101	69 - 136		
Chloroform	25.0	24.2		ug/L		97	73 - 127		
Chloromethane	25.0	24.7		ug/L		99	68 - 124		
cis-1,2-Dichloroethene	25.0	24.2		ug/L		97	74 - 124		
cis-1,3-Dichloropropene	25.0	25.4		ug/L		102	74 - 124		
Ethylbenzene	25.0	26.1		ug/L		104	77 - 123		
Methylene Chloride	25.0	26.8		ug/L		107	75 - 124		
Styrene	25.0	25.1		ug/L		100	80 - 120		
Tetrachloroethene	25.0	26.8		ug/L		107	74 - 122		
Toluene	25.0	25.8		ug/L		103	80 - 122		
trans-1,2-Dichloroethene	25.0	25.1		ug/L		101	73 - 127		
trans-1,3-Dichloropropene	25.0	26.2		ug/L		105	80 - 120		
Trichloroethene	25.0	26.5		ug/L		106	74 - 123		
Vinyl chloride	25.0	25.5		ug/L		102	65 - 133		
Xylenes, Total	50.0	51.5		ug/L		103	76 - 122		

LCS

LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Sur)	104		77 - 120
Toluene-d8 (Sur)	104		80 - 120
4-Bromofluorobenzene (Sur)	97		73 - 120
Dibromofluoromethane (Sur)	101		75 - 123

Lab Sample ID: 480-106957-3 MS

Matrix: Ground Water

Analysis Batch: 324315

Client Sample ID: EW- 3D 100316
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
1,1,1-Trichloroethane	ND		100	109		ug/L		109	73 - 126
1,1,2,2-Tetrachloroethane	ND		100	97.8		ug/L		98	76 - 120
1,1,2-Trichloroethane	ND		100	99.7		ug/L		100	76 - 122
1,1-Dichloroethane	ND		100	105		ug/L		105	77 - 120

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-106957-1
 SDG: 480-106957-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-106957-3 MS

Matrix: Ground Water

Analysis Batch: 324315

Client Sample ID: EW- 3D 100316
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
1,1-Dichloroethene	ND		100	104		ug/L		104	66 - 127
1,2-Dichloroethane	ND		100	101		ug/L		101	75 - 120
1,2-Dichloropropane	ND		100	98.1		ug/L		98	76 - 120
2-Hexanone	ND		500	520		ug/L		104	65 - 127
2-Butanone (MEK)	ND		500	499		ug/L		100	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		500	506		ug/L		101	71 - 125
Acetone	ND		500	519		ug/L		104	56 - 142
Benzene	ND		100	102		ug/L		102	71 - 124
Bromodichloromethane	ND		100	99.8		ug/L		100	80 - 122
Bromoform	ND		100	71.6		ug/L		72	61 - 132
Bromomethane	ND		100	91.0		ug/L		91	55 - 144
Carbon disulfide	ND		100	96.0		ug/L		96	59 - 134
Carbon tetrachloride	ND		100	108		ug/L		108	72 - 134
Chlorobenzene	ND		100	98.8		ug/L		99	80 - 120
Dibromochloromethane	ND		100	86.9		ug/L		87	75 - 125
Chloroethane	ND		100	104		ug/L		104	69 - 136
Chloroform	ND		100	98.9		ug/L		99	73 - 127
Chloromethane	ND		100	99.5		ug/L		100	68 - 124
cis-1,2-Dichloroethene	150	F1	100	228		ug/L		76	74 - 124
cis-1,3-Dichloropropene	ND		100	86.3		ug/L		86	74 - 124
Ethylbenzene	ND		100	106		ug/L		106	77 - 123
Methylene Chloride	ND		100	112		ug/L		112	75 - 124
Styrene	ND		100	101		ug/L		101	80 - 120
Tetrachloroethene	ND		100	105		ug/L		105	74 - 122
Toluene	ND		100	98.5		ug/L		98	80 - 122
trans-1,2-Dichloroethene	30		100	128		ug/L		98	73 - 127
trans-1,3-Dichloropropene	ND		100	86.4		ug/L		86	80 - 120
Trichloroethene	220	F1	100	281	F1	ug/L		62	74 - 123
Vinyl chloride	4.0		100	111		ug/L		107	65 - 133
Xylenes, Total	ND		200	205		ug/L		103	76 - 122

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	103		77 - 120
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Dibromofluoromethane (Surr)	104		75 - 123

Lab Sample ID: 480-106957-3 MSD

Matrix: Ground Water

Analysis Batch: 324315

Client Sample ID: EW-3D 100316
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
1,1,1-Trichloroethane	ND		100	101		ug/L		101	73 - 126	7	15
1,1,2,2-Tetrachloroethane	ND		100	102		ug/L		102	76 - 120	4	15
1,1,2-Trichloroethane	ND		100	105		ug/L		105	76 - 122	5	15
1,1-Dichloroethane	ND		100	97.0		ug/L		97	77 - 120	8	20
1,1-Dichloroethene	ND		100	102		ug/L		102	66 - 127	2	16
1,2-Dichloroethane	ND		100	99.6		ug/L		100	75 - 120	2	20

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-106957-1
 SDG: 480-106957-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-106957-3 MSD

Matrix: Ground Water

Analysis Batch: 324315

Client Sample ID: EW-3D 100316

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						
1,2-Dichloropropane	ND		100	102		ug/L		102	76 - 120	4	20
2-Hexanone	ND		500	570		ug/L		114	65 - 127	9	15
2-Butanone (MEK)	ND		500	568		ug/L		114	57 - 140	13	20
4-Methyl-2-pentanone (MIBK)	ND		500	533		ug/L		107	71 - 125	5	35
Acetone	ND		500	514		ug/L		103	56 - 142	1	15
Benzene	ND		100	102		ug/L		102	71 - 124	1	13
Bromodichloromethane	ND		100	98.2		ug/L		98	80 - 122	2	15
Bromoform	ND		100	75.8		ug/L		76	61 - 132	6	15
Bromomethane	ND		100	88.5		ug/L		88	55 - 144	3	15
Carbon disulfide	ND		100	90.8		ug/L		91	59 - 134	6	15
Carbon tetrachloride	ND		100	103		ug/L		103	72 - 134	5	15
Chlorobenzene	ND		100	101		ug/L		101	80 - 120	2	25
Dibromochloromethane	ND		100	93.1		ug/L		93	75 - 125	7	15
Chloroethane	ND		100	100		ug/L		100	69 - 136	4	15
Chloroform	ND		100	92.5		ug/L		93	73 - 127	7	20
Chloromethane	ND		100	93.7		ug/L		94	68 - 124	6	15
cis-1,2-Dichloroethene	150	F1	100	212	F1	ug/L		60	74 - 124	7	15
cis-1,3-Dichloropropene	ND		100	91.5		ug/L		91	74 - 124	6	15
Ethylbenzene	ND		100	105		ug/L		105	77 - 123	0	15
Methylene Chloride	ND		100	99.3		ug/L		99	75 - 124	12	15
Styrene	ND		100	102		ug/L		102	80 - 120	1	20
Tetrachloroethene	ND		100	109		ug/L		109	74 - 122	4	20
Toluene	ND		100	102		ug/L		102	80 - 122	3	15
trans-1,2-Dichloroethene	30		100	119		ug/L		89	73 - 127	7	20
trans-1,3-Dichloropropene	ND		100	95.4		ug/L		95	80 - 120	10	15
Trichloroethene	220	F1	100	279	F1	ug/L		59	74 - 123	1	16
Vinyl chloride	4.0		100	105		ug/L		101	65 - 133	6	15
Xylenes, Total	ND		200	206		ug/L		103	76 - 122	0	16

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	101		77 - 120
Toluene-d8 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	96		73 - 120
Dibromofluoromethane (Surr)	94		75 - 123

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-106957-1
SDG: 480-106957-1

GC/MS VOA

Analysis Batch: 324315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-106957-1	EW-7S 100316	Total/NA	Ground Water	8260C	5
480-106957-2	EW-8D 100316	Total/NA	Ground Water	8260C	6
480-106957-3	EW-3D 100316	Total/NA	Ground Water	8260C	7
480-106957-4	EW-4P 100316	Total/NA	Ground Water	8260C	8
480-106957-5	EW-5P 100316	Total/NA	Ground Water	8260C	9
480-106957-6	EW-2P 100316	Total/NA	Ground Water	8260C	10
480-106957-7	EW-6P 100316	Total/NA	Ground Water	8260C	11
480-106957-8	ADP-100 100316	Total/NA	Ground Water	8260C	12
MB 480-324315/7	Method Blank	Total/NA	Water	8260C	13
LCS 480-324315/5	Lab Control Sample	Total/NA	Water	8260C	14
480-106957-3 MS	EW- 3D 100316	Total/NA	Ground Water	8260C	15
480-106957-3 MSD	EW-3D 100316	Total/NA	Ground Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-106957-1
SDG: 480-106957-1

Client Sample ID: EW-7S 100316

Date Collected: 10/03/16 07:15

Date Received: 10/04/16 10:00

Lab Sample ID: 480-106957-1

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	324315	10/07/16 13:42	SWO	TAL BUF

Client Sample ID: EW-8D 100316

Date Collected: 10/03/16 07:11

Date Received: 10/04/16 10:00

Lab Sample ID: 480-106957-2

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	324315	10/07/16 14:08	SWO	TAL BUF

Client Sample ID: EW-3D 100316

Date Collected: 10/03/16 06:50

Date Received: 10/04/16 10:00

Lab Sample ID: 480-106957-3

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	324315	10/07/16 14:35	SWO	TAL BUF

Client Sample ID: EW-4P 100316

Date Collected: 10/03/16 06:35

Date Received: 10/04/16 10:00

Lab Sample ID: 480-106957-4

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	324315	10/07/16 15:02	SWO	TAL BUF

Client Sample ID: EW-5P 100316

Date Collected: 10/03/16 06:28

Date Received: 10/04/16 10:00

Lab Sample ID: 480-106957-5

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	324315	10/07/16 15:29	SWO	TAL BUF

Client Sample ID: EW-2P 100316

Date Collected: 10/03/16 06:15

Date Received: 10/04/16 10:00

Lab Sample ID: 480-106957-6

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	324315	10/07/16 15:56	SWO	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-106957-1
SDG: 480-106957-1

Client Sample ID: EW-6P 100316

Date Collected: 10/03/16 06:02
Date Received: 10/04/16 10:00

Lab Sample ID: 480-106957-7

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	324315	10/07/16 16:23	SWO	TAL BUF

Client Sample ID: ADP-100 100316

Date Collected: 10/03/16 05:58
Date Received: 10/04/16 10:00

Lab Sample ID: 480-106957-8

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	324315	10/07/16 16:50	SWO	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-106957-1
 SDG: 480-106957-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17
Georgia	State Program	4	956	03-31-17
Illinois	NELAP	5	200003	09-30-16 *
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	10-31-16
Kentucky (DW)	State Program	4	90029	12-31-16
Kentucky (UST)	State Program	4	30	03-31-17
Kentucky (WW)	State Program	4	90029	12-31-16
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-17
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17
Minnesota	NELAP	5	036-999-337	12-31-16
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-16
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17
North Dakota	State Program	8	R-176	03-31-17
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-16
Tennessee	State Program	4	TN02970	03-31-17
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-17
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

TestAmerica Buffalo

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-106957-1
SDG: 480-106957-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-106957-1
SDG: 480-106957-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-106957-1	EW-7S 100316	Ground Water	10/03/16 07:15	10/04/16 10:00
480-106957-2	EW-8D 100316	Ground Water	10/03/16 07:11	10/04/16 10:00
480-106957-3	EW-3D 100316	Ground Water	10/03/16 06:50	10/04/16 10:00
480-106957-4	EW-4P 100316	Ground Water	10/03/16 06:35	10/04/16 10:00
480-106957-5	EW-5P 100316	Ground Water	10/03/16 06:28	10/04/16 10:00
480-106957-6	EW-2P 100316	Ground Water	10/03/16 06:15	10/04/16 10:00
480-106957-7	EW-6P 100316	Ground Water	10/03/16 06:02	10/04/16 10:00
480-106957-8	ADP-100 100316	Ground Water	10/03/16 05:58	10/04/16 10:00

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

48003453

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt _____

Drinking Water? Yes No

TAL-412a (1007)		Client Brent Gere	Project Manager Tony Finch	Date 10-3-16	Chain of Custody Number 291096
Address 8805 Gover Hill Dr	Telephone Number (Area Code) / Fax Number 248 - 477-5701	Lab Number 1	Page 1 of 1		
City Cincinnati, OH	Site Contact Mike Vaughn	Analysis (Attach list if more space is needed)			
State OH	Zip Code 45241	Carrier/Mailbox Number FE-TRK	Carrier/Mailbox Number John Schow		
Project Name and Location (State) FE-TRK		Special Instructions/ Conditions of Receipt			
Contract/Purchase Order/Quote No. 11311127		Containers & Preservatives			
Sample I.D. No. and Description (Containers for each sample may be combined on one line)		Matrix			
EN-7S	100316	Date 10-3-16	Time 7:15	X X X X X X X X X X X X X X X X	
EW-8D	100316	Date 10-3-16	Time 7:11		
EW-3D	100316	Date 10-3-16	Time 6:50	X	
BW-4P	100316	Date 10-3-16	Time 6:35	X	
BW-5P	100316	Date 10-3-16	Time 6:28	X	
BW-3P	100316	Date 10-3-16	Time 6:15	X	
EW-6P	100316	Date 10-3-16	Time 6:02	X	
APR-100	100316	Date 10-3-16	Time 5:58	X	
CINCINNATI 210501					
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		Sample Disposal <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Turn Around Time Required <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input checked="" type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other		AC Required (Specify) Use Trunk Blank with COC # 291095			
1. Relinquished By Mike Vaughn		Date 10-3-16	Time 8:10	1. Received By Mike Vaughn	
2. Relinquished By S. Ober		Date 10-3-16	Time 9:55	2. Received By S. Ober	
3. Relinquished By		Date 10-4-16	Time 10:00	3. Received By	
Comments		10/10/2016			



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-106957-1

SDG Number: 480-106957-1

Login Number: 106957

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-108857-1

TestAmerica Sample Delivery Group: 480-108857-1

Client Project/Site: GE - IRM

For:

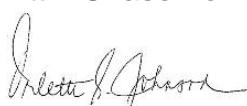
O'Brien & Gere Inc of North America

8805 Governor's Hill Dr.

Ste. 164

Cincinnati, Ohio 45249

Attn: Chase Forman



Authorized for release by:

11/20/2016 7:03:53 AM

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?

Ask
The
Expert

Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	7
Surrogate Summary	15
QC Sample Results	16
QC Association Summary	20
Lab Chronicle	21
Certification Summary	23
Method Summary	24
Sample Summary	25
Chain of Custody	26
Receipt Checklists	27

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-108857-1
SDG: 480-108857-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-108857-1
SDG: 480-108857-1

Job ID: 480-108857-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-108857-1

Receipt

The samples were received on 11/2/2016 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8° C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-331306 recovered above the upper control limit for 1,1-Dichloroethene. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The following samples are impacted: EW 7S 110116 (480-108857-1), EW 8D 110116 (480-108857-2), EW 3D 110116 (480-108857-3), EW 2P 110116 (480-108857-6), EW 6P 110116 (480-108857-7) and ADP-100 110116 (480-108857-8).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: EW 7S 110116 (480-108857-1), EW 3D 110116 (480-108857-3), EW 3D 110116 (480-108857-3[MS]), EW 3D 110116 (480-108857-3[MSD]), EW 4P 110116 (480-108857-4), EW 5P 110116 (480-108857-5), EW 2P 110116 (480-108857-6), EW 6P 110116 (480-108857-7) and ADP-100 110116 (480-108857-8). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The sample was collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, when verified by the laboratory, the pH was greater than 2 and the following samples were analyzed after 7 days from sampling: EW 8D 110116 (480-108857-2), EW 3D 110116 (480-108857-3), EW 3D 110116 (480-108857-3[MS]) and EW 4P 110116 (480-108857-4).

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in batch 480-331306 was outside the method criteria for the following analyte(s): 1,1-Dichloroethene. CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.EW 4P 110116 (480-108857-4) and EW 5P 110116 (480-108857-5)

Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-331306 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. The following sample is impacted: EW 3D 110116 (480-108857-3[MS]) and EW 3D 110116 (480-108857-3[MSD]).

Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 480-331306 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected. The data has been qualified and reported. The following sample is impacted: EW 3D 110116 (480-108857-3[MSD]).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108857-1
 SDG: 480-108857-1

Client Sample ID: EW 7S 110116

Lab Sample ID: 480-108857-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	140		4.0	3.2	ug/L	4		8260C	Total/NA
Vinyl chloride	160		4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: EW 8D 110116

Lab Sample ID: 480-108857-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.1		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	4.4		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.6		1.0	0.90	ug/L	1		8260C	Total/NA
Vinyl chloride	5.3		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: EW 3D 110116

Lab Sample ID: 480-108857-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	150		4.0	3.2	ug/L	4		8260C	Total/NA
trans-1,2-Dichloroethene	28		4.0	3.6	ug/L	4		8260C	Total/NA
Trichloroethene	200	F1	4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: EW 4P 110116

Lab Sample ID: 480-108857-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	86		4.0	3.3	ug/L	4		8260C	Total/NA
1,1-Dichloroethane	23		4.0	1.5	ug/L	4		8260C	Total/NA
1,1-Dichloroethene	7.9		4.0	1.2	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	28		4.0	3.2	ug/L	4		8260C	Total/NA
Trichloroethene	160		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: EW 5P 110116

Lab Sample ID: 480-108857-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	82		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	21		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	6.5		2.0	0.58	ug/L	2		8260C	Total/NA
Chloroform	0.85	J	2.0	0.68	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	26		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	0.79	J	2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	150		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: EW 2P 110116

Lab Sample ID: 480-108857-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	86		5.0	4.1	ug/L	5		8260C	Total/NA
1,1-Dichloroethane	10		5.0	1.9	ug/L	5		8260C	Total/NA
1,1-Dichloroethene	3.6	J	5.0	1.5	ug/L	5		8260C	Total/NA
Chloroform	2.1	J	5.0	1.7	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	15		5.0	4.1	ug/L	5		8260C	Total/NA
Trichloroethene	190		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: EW 6P 110116

Lab Sample ID: 480-108857-7

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108857-1
 SDG: 480-108857-1

Client Sample ID: EW 6P 110116 (Continued)

Lab Sample ID: 480-108857-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	30		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	5.1		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	0.82 J		2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	11		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	0.83 J		2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	100		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	1.9 J		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: ADP-100 110116

Lab Sample ID: 480-108857-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	33		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	5.6		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.1 J		2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	11		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	0.99 J		2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	100		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	1.8 J		2.0	1.8	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108857-1
 SDG: 480-108857-1

Client Sample ID: EW 7S 110116

Date Collected: 11/01/16 11:28
 Date Received: 11/02/16 09:30

Lab Sample ID: 480-108857-1
Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			11/13/16 12:01	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			11/13/16 12:01	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			11/13/16 12:01	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			11/13/16 12:01	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			11/13/16 12:01	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			11/13/16 12:01	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			11/13/16 12:01	4
2-Hexanone	ND		20	5.0	ug/L			11/13/16 12:01	4
2-Butanone (MEK)	ND		40	5.3	ug/L			11/13/16 12:01	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			11/13/16 12:01	4
Acetone	ND		40	12	ug/L			11/13/16 12:01	4
Benzene	ND		4.0	1.6	ug/L			11/13/16 12:01	4
Bromodichloromethane	ND		4.0	1.6	ug/L			11/13/16 12:01	4
Bromoform	ND		4.0	1.0	ug/L			11/13/16 12:01	4
Bromomethane	ND		4.0	2.8	ug/L			11/13/16 12:01	4
Carbon disulfide	ND		4.0	0.76	ug/L			11/13/16 12:01	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			11/13/16 12:01	4
Chlorobenzene	ND		4.0	3.0	ug/L			11/13/16 12:01	4
Dibromochloromethane	ND		4.0	1.3	ug/L			11/13/16 12:01	4
Chloroethane	ND		4.0	1.3	ug/L			11/13/16 12:01	4
Chloroform	ND		4.0	1.4	ug/L			11/13/16 12:01	4
Chloromethane	ND		4.0	1.4	ug/L			11/13/16 12:01	4
cis-1,2-Dichloroethene	140		4.0	3.2	ug/L			11/13/16 12:01	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			11/13/16 12:01	4
Ethylbenzene	ND		4.0	3.0	ug/L			11/13/16 12:01	4
Methylene Chloride	ND		4.0	1.8	ug/L			11/13/16 12:01	4
Styrene	ND		4.0	2.9	ug/L			11/13/16 12:01	4
Tetrachloroethene	ND		4.0	1.4	ug/L			11/13/16 12:01	4
Toluene	ND		4.0	2.0	ug/L			11/13/16 12:01	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			11/13/16 12:01	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			11/13/16 12:01	4
Trichloroethene	ND		4.0	1.8	ug/L			11/13/16 12:01	4
Vinyl chloride	160		4.0	3.6	ug/L			11/13/16 12:01	4
Xylenes, Total	ND		8.0	2.6	ug/L			11/13/16 12:01	4
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105			77 - 120				11/13/16 12:01	4
Toluene-d8 (Surr)	97			80 - 120				11/13/16 12:01	4
4-Bromofluorobenzene (Surr)	93			73 - 120				11/13/16 12:01	4
Dibromofluoromethane (Surr)	102			75 - 123				11/13/16 12:01	4

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108857-1
 SDG: 480-108857-1

Client Sample ID: EW 8D 110116

Date Collected: 11/01/16 11:25
 Date Received: 11/02/16 09:30

Lab Sample ID: 480-108857-2
 Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/13/16 12:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/13/16 12:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/13/16 12:25	1
1,1-Dichloroethane	1.1		1.0	0.38	ug/L			11/13/16 12:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/13/16 12:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/13/16 12:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/13/16 12:25	1
2-Hexanone	ND		5.0	1.2	ug/L			11/13/16 12:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/13/16 12:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/13/16 12:25	1
Acetone	ND		10	3.0	ug/L			11/13/16 12:25	1
Benzene	ND		1.0	0.41	ug/L			11/13/16 12:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/13/16 12:25	1
Bromoform	ND		1.0	0.26	ug/L			11/13/16 12:25	1
Bromomethane	ND		1.0	0.69	ug/L			11/13/16 12:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/13/16 12:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/13/16 12:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/13/16 12:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/13/16 12:25	1
Chloroethane	ND		1.0	0.32	ug/L			11/13/16 12:25	1
Chloroform	ND		1.0	0.34	ug/L			11/13/16 12:25	1
Chloromethane	ND		1.0	0.35	ug/L			11/13/16 12:25	1
cis-1,2-Dichloroethene	4.4		1.0	0.81	ug/L			11/13/16 12:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/13/16 12:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/13/16 12:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/13/16 12:25	1
Styrene	ND		1.0	0.73	ug/L			11/13/16 12:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/13/16 12:25	1
Toluene	ND		1.0	0.51	ug/L			11/13/16 12:25	1
trans-1,2-Dichloroethene	1.6		1.0	0.90	ug/L			11/13/16 12:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/13/16 12:25	1
Trichloroethene	ND		1.0	0.46	ug/L			11/13/16 12:25	1
Vinyl chloride	5.3		1.0	0.90	ug/L			11/13/16 12:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/13/16 12:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		11/13/16 12:25	1
Toluene-d8 (Surr)	95		80 - 120		11/13/16 12:25	1
4-Bromofluorobenzene (Surr)	90		73 - 120		11/13/16 12:25	1
Dibromofluoromethane (Surr)	109		75 - 123		11/13/16 12:25	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108857-1
 SDG: 480-108857-1

Client Sample ID: EW 3D 110116

Date Collected: 11/01/16 10:42
 Date Received: 11/02/16 09:30

Lab Sample ID: 480-108857-3
 Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			11/13/16 12:49	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			11/13/16 12:49	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			11/13/16 12:49	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			11/13/16 12:49	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			11/13/16 12:49	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			11/13/16 12:49	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			11/13/16 12:49	4
2-Hexanone	ND		20	5.0	ug/L			11/13/16 12:49	4
2-Butanone (MEK)	ND		40	5.3	ug/L			11/13/16 12:49	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			11/13/16 12:49	4
Acetone	ND		40	12	ug/L			11/13/16 12:49	4
Benzene	ND		4.0	1.6	ug/L			11/13/16 12:49	4
Bromodichloromethane	ND		4.0	1.6	ug/L			11/13/16 12:49	4
Bromoform	ND	F2	4.0	1.0	ug/L			11/13/16 12:49	4
Bromomethane	ND		4.0	2.8	ug/L			11/13/16 12:49	4
Carbon disulfide	ND	F2	4.0	0.76	ug/L			11/13/16 12:49	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			11/13/16 12:49	4
Chlorobenzene	ND		4.0	3.0	ug/L			11/13/16 12:49	4
Dibromochloromethane	ND		4.0	1.3	ug/L			11/13/16 12:49	4
Chloroethane	ND		4.0	1.3	ug/L			11/13/16 12:49	4
Chloroform	ND		4.0	1.4	ug/L			11/13/16 12:49	4
Chloromethane	ND		4.0	1.4	ug/L			11/13/16 12:49	4
cis-1,2-Dichloroethene	150		4.0	3.2	ug/L			11/13/16 12:49	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			11/13/16 12:49	4
Ethylbenzene	ND		4.0	3.0	ug/L			11/13/16 12:49	4
Methylene Chloride	ND		4.0	1.8	ug/L			11/13/16 12:49	4
Styrene	ND		4.0	2.9	ug/L			11/13/16 12:49	4
Tetrachloroethene	ND		4.0	1.4	ug/L			11/13/16 12:49	4
Toluene	ND		4.0	2.0	ug/L			11/13/16 12:49	4
trans-1,2-Dichloroethene	28		4.0	3.6	ug/L			11/13/16 12:49	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			11/13/16 12:49	4
Trichloroethene	200	F1	4.0	1.8	ug/L			11/13/16 12:49	4
Vinyl chloride	ND		4.0	3.6	ug/L			11/13/16 12:49	4
Xylenes, Total	ND		8.0	2.6	ug/L			11/13/16 12:49	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		11/13/16 12:49	4
Toluene-d8 (Surr)	97		80 - 120		11/13/16 12:49	4
4-Bromofluorobenzene (Surr)	93		73 - 120		11/13/16 12:49	4
Dibromofluoromethane (Surr)	106		75 - 123		11/13/16 12:49	4

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108857-1
 SDG: 480-108857-1

Client Sample ID: EW 4P 110116

Date Collected: 11/01/16 10:22
 Date Received: 11/02/16 09:30

Lab Sample ID: 480-108857-4
Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	86		4.0	3.3	ug/L			11/13/16 13:13	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			11/13/16 13:13	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			11/13/16 13:13	4
1,1-Dichloroethane	23		4.0	1.5	ug/L			11/13/16 13:13	4
1,1-Dichloroethene	7.9		4.0	1.2	ug/L			11/13/16 13:13	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			11/13/16 13:13	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			11/13/16 13:13	4
2-Hexanone	ND		20	5.0	ug/L			11/13/16 13:13	4
2-Butanone (MEK)	ND		40	5.3	ug/L			11/13/16 13:13	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			11/13/16 13:13	4
Acetone	ND		40	12	ug/L			11/13/16 13:13	4
Benzene	ND		4.0	1.6	ug/L			11/13/16 13:13	4
Bromodichloromethane	ND		4.0	1.6	ug/L			11/13/16 13:13	4
Bromoform	ND		4.0	1.0	ug/L			11/13/16 13:13	4
Bromomethane	ND		4.0	2.8	ug/L			11/13/16 13:13	4
Carbon disulfide	ND		4.0	0.76	ug/L			11/13/16 13:13	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			11/13/16 13:13	4
Chlorobenzene	ND		4.0	3.0	ug/L			11/13/16 13:13	4
Dibromochloromethane	ND		4.0	1.3	ug/L			11/13/16 13:13	4
Chloroethane	ND		4.0	1.3	ug/L			11/13/16 13:13	4
Chloroform	ND		4.0	1.4	ug/L			11/13/16 13:13	4
Chloromethane	ND		4.0	1.4	ug/L			11/13/16 13:13	4
cis-1,2-Dichloroethene	28		4.0	3.2	ug/L			11/13/16 13:13	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			11/13/16 13:13	4
Ethylbenzene	ND		4.0	3.0	ug/L			11/13/16 13:13	4
Methylene Chloride	ND		4.0	1.8	ug/L			11/13/16 13:13	4
Styrene	ND		4.0	2.9	ug/L			11/13/16 13:13	4
Tetrachloroethene	ND		4.0	1.4	ug/L			11/13/16 13:13	4
Toluene	ND		4.0	2.0	ug/L			11/13/16 13:13	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			11/13/16 13:13	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			11/13/16 13:13	4
Trichloroethene	160		4.0	1.8	ug/L			11/13/16 13:13	4
Vinyl chloride	ND		4.0	3.6	ug/L			11/13/16 13:13	4
Xylenes, Total	ND		8.0	2.6	ug/L			11/13/16 13:13	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		11/13/16 13:13	4
Toluene-d8 (Surr)	97		80 - 120		11/13/16 13:13	4
4-Bromofluorobenzene (Surr)	94		73 - 120		11/13/16 13:13	4
Dibromofluoromethane (Surr)	103		75 - 123		11/13/16 13:13	4

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108857-1
 SDG: 480-108857-1

Client Sample ID: EW 5P 110116

Date Collected: 11/01/16 10:16
 Date Received: 11/02/16 09:30

Lab Sample ID: 480-108857-5
Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	82		2.0	1.6	ug/L			11/13/16 13:37	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			11/13/16 13:37	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			11/13/16 13:37	2
1,1-Dichloroethane	21		2.0	0.76	ug/L			11/13/16 13:37	2
1,1-Dichloroethene	6.5		2.0	0.58	ug/L			11/13/16 13:37	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			11/13/16 13:37	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			11/13/16 13:37	2
2-Hexanone	ND		10	2.5	ug/L			11/13/16 13:37	2
2-Butanone (MEK)	ND		20	2.6	ug/L			11/13/16 13:37	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			11/13/16 13:37	2
Acetone	ND		20	6.0	ug/L			11/13/16 13:37	2
Benzene	ND		2.0	0.82	ug/L			11/13/16 13:37	2
Bromodichloromethane	ND		2.0	0.78	ug/L			11/13/16 13:37	2
Bromoform	ND		2.0	0.52	ug/L			11/13/16 13:37	2
Bromomethane	ND		2.0	1.4	ug/L			11/13/16 13:37	2
Carbon disulfide	ND		2.0	0.38	ug/L			11/13/16 13:37	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			11/13/16 13:37	2
Chlorobenzene	ND		2.0	1.5	ug/L			11/13/16 13:37	2
Dibromochloromethane	ND		2.0	0.64	ug/L			11/13/16 13:37	2
Chloroethane	ND		2.0	0.64	ug/L			11/13/16 13:37	2
Chloroform	0.85 J		2.0	0.68	ug/L			11/13/16 13:37	2
Chloromethane	ND		2.0	0.70	ug/L			11/13/16 13:37	2
cis-1,2-Dichloroethene	26		2.0	1.6	ug/L			11/13/16 13:37	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			11/13/16 13:37	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/13/16 13:37	2
Methylene Chloride	ND		2.0	0.88	ug/L			11/13/16 13:37	2
Styrene	ND		2.0	1.5	ug/L			11/13/16 13:37	2
Tetrachloroethene	0.79 J		2.0	0.72	ug/L			11/13/16 13:37	2
Toluene	ND		2.0	1.0	ug/L			11/13/16 13:37	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			11/13/16 13:37	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			11/13/16 13:37	2
Trichloroethene	150		2.0	0.92	ug/L			11/13/16 13:37	2
Vinyl chloride	ND		2.0	1.8	ug/L			11/13/16 13:37	2
Xylenes, Total	ND		4.0	1.3	ug/L			11/13/16 13:37	2
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100			77 - 120				11/13/16 13:37	2
Toluene-d8 (Surr)	96			80 - 120				11/13/16 13:37	2
4-Bromofluorobenzene (Surr)	92			73 - 120				11/13/16 13:37	2
Dibromofluoromethane (Surr)	104			75 - 123				11/13/16 13:37	2

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108857-1
 SDG: 480-108857-1

Client Sample ID: EW 2P 110116

Date Collected: 11/01/16 10:10
 Date Received: 11/02/16 09:30

Lab Sample ID: 480-108857-6
Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	86		5.0	4.1	ug/L		11/13/16 14:01		5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L		11/13/16 14:01		5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L		11/13/16 14:01		5
1,1-Dichloroethane	10		5.0	1.9	ug/L		11/13/16 14:01		5
1,1-Dichloroethene	3.6 J		5.0	1.5	ug/L		11/13/16 14:01		5
1,2-Dichloroethane	ND		5.0	1.1	ug/L		11/13/16 14:01		5
1,2-Dichloropropane	ND		5.0	3.6	ug/L		11/13/16 14:01		5
2-Hexanone	ND		25	6.2	ug/L		11/13/16 14:01		5
2-Butanone (MEK)	ND		50	6.6	ug/L		11/13/16 14:01		5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L		11/13/16 14:01		5
Acetone	ND		50	15	ug/L		11/13/16 14:01		5
Benzene	ND		5.0	2.1	ug/L		11/13/16 14:01		5
Bromodichloromethane	ND		5.0	2.0	ug/L		11/13/16 14:01		5
Bromoform	ND		5.0	1.3	ug/L		11/13/16 14:01		5
Bromomethane	ND		5.0	3.5	ug/L		11/13/16 14:01		5
Carbon disulfide	ND		5.0	0.95	ug/L		11/13/16 14:01		5
Carbon tetrachloride	ND		5.0	1.4	ug/L		11/13/16 14:01		5
Chlorobenzene	ND		5.0	3.8	ug/L		11/13/16 14:01		5
Dibromochloromethane	ND		5.0	1.6	ug/L		11/13/16 14:01		5
Chloroethane	ND		5.0	1.6	ug/L		11/13/16 14:01		5
Chloroform	2.1 J		5.0	1.7	ug/L		11/13/16 14:01		5
Chloromethane	ND		5.0	1.8	ug/L		11/13/16 14:01		5
cis-1,2-Dichloroethene	15		5.0	4.1	ug/L		11/13/16 14:01		5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L		11/13/16 14:01		5
Ethylbenzene	ND		5.0	3.7	ug/L		11/13/16 14:01		5
Methylene Chloride	ND		5.0	2.2	ug/L		11/13/16 14:01		5
Styrene	ND		5.0	3.7	ug/L		11/13/16 14:01		5
Tetrachloroethene	ND		5.0	1.8	ug/L		11/13/16 14:01		5
Toluene	ND		5.0	2.6	ug/L		11/13/16 14:01		5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L		11/13/16 14:01		5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L		11/13/16 14:01		5
Trichloroethene	190		5.0	2.3	ug/L		11/13/16 14:01		5
Vinyl chloride	ND		5.0	4.5	ug/L		11/13/16 14:01		5
Xylenes, Total	ND		10	3.3	ug/L		11/13/16 14:01		5
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102			77 - 120			11/13/16 14:01		5
Toluene-d8 (Surr)	96			80 - 120			11/13/16 14:01		5
4-Bromofluorobenzene (Surr)	92			73 - 120			11/13/16 14:01		5
Dibromofluoromethane (Surr)	105			75 - 123			11/13/16 14:01		5

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108857-1
 SDG: 480-108857-1

Client Sample ID: EW 6P 110116

Lab Sample ID: 480-108857-7
Matrix: Ground Water

Date Collected: 11/01/16 10:03
 Date Received: 11/02/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	30		2.0	1.6	ug/L			11/13/16 14:25	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			11/13/16 14:25	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			11/13/16 14:25	2
1,1-Dichloroethane	5.1		2.0	0.76	ug/L			11/13/16 14:25	2
1,1-Dichloroethene	0.82 J		2.0	0.58	ug/L			11/13/16 14:25	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			11/13/16 14:25	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			11/13/16 14:25	2
2-Hexanone	ND		10	2.5	ug/L			11/13/16 14:25	2
2-Butanone (MEK)	ND		20	2.6	ug/L			11/13/16 14:25	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			11/13/16 14:25	2
Acetone	ND		20	6.0	ug/L			11/13/16 14:25	2
Benzene	ND		2.0	0.82	ug/L			11/13/16 14:25	2
Bromodichloromethane	ND		2.0	0.78	ug/L			11/13/16 14:25	2
Bromoform	ND		2.0	0.52	ug/L			11/13/16 14:25	2
Bromomethane	ND		2.0	1.4	ug/L			11/13/16 14:25	2
Carbon disulfide	ND		2.0	0.38	ug/L			11/13/16 14:25	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			11/13/16 14:25	2
Chlorobenzene	ND		2.0	1.5	ug/L			11/13/16 14:25	2
Dibromochloromethane	ND		2.0	0.64	ug/L			11/13/16 14:25	2
Chloroethane	ND		2.0	0.64	ug/L			11/13/16 14:25	2
Chloroform	ND		2.0	0.68	ug/L			11/13/16 14:25	2
Chloromethane	ND		2.0	0.70	ug/L			11/13/16 14:25	2
cis-1,2-Dichloroethene	11		2.0	1.6	ug/L			11/13/16 14:25	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			11/13/16 14:25	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/13/16 14:25	2
Methylene Chloride	ND		2.0	0.88	ug/L			11/13/16 14:25	2
Styrene	ND		2.0	1.5	ug/L			11/13/16 14:25	2
Tetrachloroethene	0.83 J		2.0	0.72	ug/L			11/13/16 14:25	2
Toluene	ND		2.0	1.0	ug/L			11/13/16 14:25	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			11/13/16 14:25	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			11/13/16 14:25	2
Trichloroethene	100		2.0	0.92	ug/L			11/13/16 14:25	2
Vinyl chloride	1.9 J		2.0	1.8	ug/L			11/13/16 14:25	2
Xylenes, Total	ND		4.0	1.3	ug/L			11/13/16 14:25	2
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102			77 - 120				11/13/16 14:25	2
Toluene-d8 (Surr)	93			80 - 120				11/13/16 14:25	2
4-Bromofluorobenzene (Surr)	90			73 - 120				11/13/16 14:25	2
Dibromofluoromethane (Surr)	102			75 - 123				11/13/16 14:25	2

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108857-1
 SDG: 480-108857-1

Client Sample ID: ADP-100 110116

Date Collected: 11/01/16 10:00
 Date Received: 11/02/16 09:30

Lab Sample ID: 480-108857-8
Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	33		2.0	1.6	ug/L			11/13/16 14:50	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			11/13/16 14:50	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			11/13/16 14:50	2
1,1-Dichloroethane	5.6		2.0	0.76	ug/L			11/13/16 14:50	2
1,1-Dichloroethene	1.1 J		2.0	0.58	ug/L			11/13/16 14:50	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			11/13/16 14:50	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			11/13/16 14:50	2
2-Hexanone	ND		10	2.5	ug/L			11/13/16 14:50	2
2-Butanone (MEK)	ND		20	2.6	ug/L			11/13/16 14:50	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			11/13/16 14:50	2
Acetone	ND		20	6.0	ug/L			11/13/16 14:50	2
Benzene	ND		2.0	0.82	ug/L			11/13/16 14:50	2
Bromodichloromethane	ND		2.0	0.78	ug/L			11/13/16 14:50	2
Bromoform	ND		2.0	0.52	ug/L			11/13/16 14:50	2
Bromomethane	ND		2.0	1.4	ug/L			11/13/16 14:50	2
Carbon disulfide	ND		2.0	0.38	ug/L			11/13/16 14:50	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			11/13/16 14:50	2
Chlorobenzene	ND		2.0	1.5	ug/L			11/13/16 14:50	2
Dibromochloromethane	ND		2.0	0.64	ug/L			11/13/16 14:50	2
Chloroethane	ND		2.0	0.64	ug/L			11/13/16 14:50	2
Chloroform	ND		2.0	0.68	ug/L			11/13/16 14:50	2
Chloromethane	ND		2.0	0.70	ug/L			11/13/16 14:50	2
cis-1,2-Dichloroethene	11		2.0	1.6	ug/L			11/13/16 14:50	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			11/13/16 14:50	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/13/16 14:50	2
Methylene Chloride	ND		2.0	0.88	ug/L			11/13/16 14:50	2
Styrene	ND		2.0	1.5	ug/L			11/13/16 14:50	2
Tetrachloroethene	0.99 J		2.0	0.72	ug/L			11/13/16 14:50	2
Toluene	ND		2.0	1.0	ug/L			11/13/16 14:50	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			11/13/16 14:50	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			11/13/16 14:50	2
Trichloroethene	100		2.0	0.92	ug/L			11/13/16 14:50	2
Vinyl chloride	1.8 J		2.0	1.8	ug/L			11/13/16 14:50	2
Xylenes, Total	ND		4.0	1.3	ug/L			11/13/16 14:50	2
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100			77 - 120				11/13/16 14:50	2
Toluene-d8 (Surr)	94			80 - 120				11/13/16 14:50	2
4-Bromofluorobenzene (Surr)	95			73 - 120				11/13/16 14:50	2
Dibromofluoromethane (Surr)	103			75 - 123				11/13/16 14:50	2

TestAmerica Buffalo

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-108857-1
SDG: 480-108857-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (77-120)	TOL (80-120)	BFB (73-120)	DBFM (75-123)
480-108857-1	EW 7S 110116	105	97	93	102
480-108857-2	EW 8D 110116	108	95	90	109
480-108857-3	EW 3D 110116	103	97	93	106
480-108857-3 MS	EW 3D 110116	97	100	96	102
480-108857-3 MSD	EW 3D 110116	95	100	96	100
480-108857-4	EW 4P 110116	101	97	94	103
480-108857-5	EW 5P 110116	100	96	92	104
480-108857-6	EW 2P 110116	102	96	92	105
480-108857-7	EW 6P 110116	102	93	90	102
480-108857-8	ADP-100 110116	100	94	95	103

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (77-120)	TOL (80-120)	BFB (73-120)	DBFM (75-123)
LCS 480-331306/5	Lab Control Sample	100	99	93	105
MB 480-331306/7	Method Blank	101	97	91	105

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108857-1
 SDG: 480-108857-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-331306/7

Matrix: Water

Analysis Batch: 331306

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/13/16 11:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/13/16 11:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/13/16 11:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/13/16 11:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/13/16 11:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/13/16 11:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/13/16 11:23	1
2-Hexanone	ND		5.0	1.2	ug/L			11/13/16 11:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/13/16 11:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/13/16 11:23	1
Acetone	ND		10	3.0	ug/L			11/13/16 11:23	1
Benzene	ND		1.0	0.41	ug/L			11/13/16 11:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/13/16 11:23	1
Bromoform	ND		1.0	0.26	ug/L			11/13/16 11:23	1
Bromomethane	ND		1.0	0.69	ug/L			11/13/16 11:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/13/16 11:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/13/16 11:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/13/16 11:23	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/13/16 11:23	1
Chloroethane	ND		1.0	0.32	ug/L			11/13/16 11:23	1
Chloroform	ND		1.0	0.34	ug/L			11/13/16 11:23	1
Chloromethane	ND		1.0	0.35	ug/L			11/13/16 11:23	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/13/16 11:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/13/16 11:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/13/16 11:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/13/16 11:23	1
Styrene	ND		1.0	0.73	ug/L			11/13/16 11:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/13/16 11:23	1
Toluene	ND		1.0	0.51	ug/L			11/13/16 11:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/13/16 11:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/13/16 11:23	1
Trichloroethene	ND		1.0	0.46	ug/L			11/13/16 11:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/13/16 11:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/13/16 11:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		11/13/16 11:23	1
Toluene-d8 (Surr)	97		80 - 120		11/13/16 11:23	1
4-Bromofluorobenzene (Surr)	91		73 - 120		11/13/16 11:23	1
Dibromofluoromethane (Surr)	105		75 - 123		11/13/16 11:23	1

Lab Sample ID: LCS 480-331306/5

Matrix: Water

Analysis Batch: 331306

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	Limits
1,1,1-Trichloroethane	25.0	28.4		ug/L		113	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.1		ug/L		101	76 - 120

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108857-1
 SDG: 480-108857-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-331306/5

Matrix: Water

Analysis Batch: 331306

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
1,1,2-Trichloroethane	25.0	24.7		ug/L		99	76 - 122	
1,1-Dichloroethane	25.0	27.4		ug/L		110	77 - 120	
1,1-Dichloroethene	25.0	28.0		ug/L		112	66 - 127	
1,2-Dichloroethane	25.0	26.2		ug/L		105	75 - 120	
1,2-Dichloropropane	25.0	27.6		ug/L		110	76 - 120	
2-Hexanone	125	123		ug/L		99	65 - 127	
2-Butanone (MEK)	125	123		ug/L		98	57 - 140	
4-Methyl-2-pentanone (MIBK)	125	123		ug/L		99	71 - 125	
Acetone	125	138		ug/L		110	56 - 142	
Benzene	25.0	27.9		ug/L		111	71 - 124	
Bromodichloromethane	25.0	27.0		ug/L		108	80 - 122	
Bromoform	25.0	19.9		ug/L		80	61 - 132	
Bromomethane	25.0	24.9		ug/L		100	55 - 144	
Carbon disulfide	25.0	27.3		ug/L		109	59 - 134	
Carbon tetrachloride	25.0	27.6		ug/L		110	72 - 134	
Chlorobenzene	25.0	25.7		ug/L		103	80 - 120	
Dibromochloromethane	25.0	24.2		ug/L		97	75 - 125	
Chloroethane	25.0	24.2		ug/L		97	69 - 136	
Chloroform	25.0	26.7		ug/L		107	73 - 127	
Chloromethane	25.0	20.1		ug/L		81	68 - 124	
cis-1,2-Dichloroethene	25.0	28.6		ug/L		114	74 - 124	
cis-1,3-Dichloropropene	25.0	24.7		ug/L		99	74 - 124	
Ethylbenzene	25.0	25.7		ug/L		103	77 - 123	
Methylene Chloride	25.0	26.9		ug/L		108	75 - 124	
Styrene	25.0	26.5		ug/L		106	80 - 120	
Tetrachloroethene	25.0	27.2		ug/L		109	74 - 122	
Toluene	25.0	26.2		ug/L		105	80 - 122	
trans-1,2-Dichloroethene	25.0	28.5		ug/L		114	73 - 127	
trans-1,3-Dichloropropene	25.0	22.8		ug/L		91	80 - 120	
Trichloroethene	25.0	26.9		ug/L		108	74 - 123	
Vinyl chloride	25.0	21.9		ug/L		87	65 - 133	
Xylenes, Total	50.0	53.7		ug/L		107	76 - 122	

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
Toluene-d8 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	93		73 - 120
Dibromofluoromethane (Surr)	105		75 - 123

Lab Sample ID: 480-108857-3 MS

Matrix: Ground Water

Analysis Batch: 331306

Client Sample ID: EW 3D 110116
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.	Limits
1,1,1-Trichloroethane	ND		100	105		ug/L		105	73 - 126	
1,1,2,2-Tetrachloroethane	ND		100	91.0		ug/L		91	76 - 120	
1,1,2-Trichloroethane	ND		100	94.8		ug/L		95	76 - 122	
1,1-Dichloroethane	ND		100	99.7		ug/L		100	77 - 120	

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108857-1
 SDG: 480-108857-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-108857-3 MS

Matrix: Ground Water

Analysis Batch: 331306

Client Sample ID: EW 3D 110116
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
1,1-Dichloroethene	ND		100	104		ug/L		104	66 - 127
1,2-Dichloroethane	ND		100	95.0		ug/L		95	75 - 120
1,2-Dichloropropane	ND		100	96.4		ug/L		96	76 - 120
2-Hexanone	ND		500	427		ug/L		85	65 - 127
2-Butanone (MEK)	ND		500	428		ug/L		86	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		500	450		ug/L		90	71 - 125
Acetone	ND		500	448		ug/L		90	56 - 142
Benzene	ND		100	103		ug/L		103	71 - 124
Bromodichloromethane	ND		100	93.0		ug/L		93	80 - 122
Bromoform	ND	F2	100	74.6		ug/L		75	61 - 132
Bromomethane	ND		100	101		ug/L		101	55 - 144
Carbon disulfide	ND	F2	100	101		ug/L		101	59 - 134
Carbon tetrachloride	ND		100	100		ug/L		100	72 - 134
Chlorobenzene	ND		100	96.4		ug/L		96	80 - 120
Dibromochloromethane	ND		100	90.6		ug/L		91	75 - 125
Chloroethane	ND		100	96.5		ug/L		97	69 - 136
Chloroform	ND		100	99.8		ug/L		100	73 - 127
Chloromethane	ND		100	83.8		ug/L		84	68 - 124
cis-1,2-Dichloroethene	150		100	231		ug/L		78	74 - 124
cis-1,3-Dichloropropene	ND		100	85.9		ug/L		86	74 - 124
Ethylbenzene	ND		100	96.9		ug/L		97	77 - 123
Methylene Chloride	ND		100	98.3		ug/L		98	75 - 124
Styrene	ND		100	97.7		ug/L		98	80 - 120
Tetrachloroethene	ND		100	104		ug/L		104	74 - 122
Toluene	ND		100	102		ug/L		102	80 - 122
trans-1,2-Dichloroethene	28		100	125		ug/L		98	73 - 127
trans-1,3-Dichloropropene	ND		100	81.8		ug/L		82	80 - 120
Trichloroethene	200	F1	100	263	F1	ug/L		61	74 - 123
Vinyl chloride	ND		100	91.0		ug/L		91	65 - 133
Xylenes, Total	ND		200	204		ug/L		102	76 - 122

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	97		77 - 120
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	96		73 - 120
Dibromofluoromethane (Surr)	102		75 - 123

Lab Sample ID: 480-108857-3 MSD

Matrix: Ground Water

Analysis Batch: 331306

Client Sample ID: EW 3D 110116
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
1,1,1-Trichloroethane	ND		100	101		ug/L		101	73 - 126
1,1,2,2-Tetrachloroethane	ND		100	90.6		ug/L		91	76 - 120
1,1,2-Trichloroethane	ND		100	92.1		ug/L		92	76 - 122
1,1-Dichloroethane	ND		100	97.6		ug/L		98	77 - 120
1,1-Dichloroethene	ND		100	101		ug/L		101	66 - 127
1,2-Dichloroethane	ND		100	90.6		ug/L		91	75 - 120

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108857-1
 SDG: 480-108857-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-108857-3 MSD

Matrix: Ground Water

Analysis Batch: 331306

Client Sample ID: EW 3D 110116
 Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
1,2-Dichloropropane	ND		100	98.3		ug/L	98	76 - 120	2	20	
2-Hexanone	ND		500	424		ug/L	85	65 - 127	1	15	
2-Butanone (MEK)	ND		500	425		ug/L	85	57 - 140	1	20	
4-Methyl-2-pentanone (MIBK)	ND		500	443		ug/L	89	71 - 125	2	35	
Acetone	ND		500	440		ug/L	88	56 - 142	2	15	
Benzene	ND		100	101		ug/L	101	71 - 124	2	13	
Bromodichloromethane	ND		100	90.9		ug/L	91	80 - 122	2	15	
Bromoform	ND	F2	100	63.6	F2	ug/L	64	61 - 132	16	15	
Bromomethane	ND		100	93.7		ug/L	94	55 - 144	8	15	
Carbon disulfide	ND	F2	100	86.3	F2	ug/L	86	59 - 134	16	15	
Carbon tetrachloride	ND		100	96.6		ug/L	97	72 - 134	3	15	
Chlorobenzene	ND		100	94.5		ug/L	94	80 - 120	2	25	
Dibromochloromethane	ND		100	80.3		ug/L	80	75 - 125	12	15	
Chloroethane	ND		100	89.8		ug/L	90	69 - 136	7	15	
Chloroform	ND		100	95.6		ug/L	96	73 - 127	4	20	
Chloromethane	ND		100	79.5		ug/L	79	68 - 124	5	15	
cis-1,2-Dichloroethene	150		100	227		ug/L	74	74 - 124	2	15	
cis-1,3-Dichloropropene	ND		100	81.5		ug/L	82	74 - 124	5	15	
Ethylbenzene	ND		100	96.0		ug/L	96	77 - 123	1	15	
Methylene Chloride	ND		100	94.4		ug/L	94	75 - 124	4	15	
Styrene	ND		100	98.0		ug/L	98	80 - 120	0	20	
Tetrachloroethene	ND		100	99.3		ug/L	99	74 - 122	5	20	
Toluene	ND		100	99.8		ug/L	100	80 - 122	2	15	
trans-1,2-Dichloroethene	28		100	126		ug/L	99	73 - 127	1	20	
trans-1,3-Dichloropropene	ND		100	84.1		ug/L	84	80 - 120	3	15	
Trichloroethene	200	F1	100	260	F1	ug/L	58	74 - 123	1	16	
Vinyl chloride	ND		100	87.9		ug/L	88	65 - 133	3	15	
Xylenes, Total	ND		200	202		ug/L	101	76 - 122	1	16	

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	95		77 - 120
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	96		73 - 120
Dibromofluoromethane (Surr)	100		75 - 123

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-108857-1
SDG: 480-108857-1

GC/MS VOA

Analysis Batch: 331306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-108857-1	EW 7S 110116	Total/NA	Ground Water	8260C	5
480-108857-2	EW 8D 110116	Total/NA	Ground Water	8260C	6
480-108857-3	EW 3D 110116	Total/NA	Ground Water	8260C	7
480-108857-4	EW 4P 110116	Total/NA	Ground Water	8260C	8
480-108857-5	EW 5P 110116	Total/NA	Ground Water	8260C	9
480-108857-6	EW 2P 110116	Total/NA	Ground Water	8260C	10
480-108857-7	EW 6P 110116	Total/NA	Ground Water	8260C	11
480-108857-8	ADP-100 110116	Total/NA	Ground Water	8260C	12
MB 480-331306/7	Method Blank	Total/NA	Water	8260C	13
LCS 480-331306/5	Lab Control Sample	Total/NA	Water	8260C	14
480-108857-3 MS	EW 3D 110116	Total/NA	Ground Water	8260C	15
480-108857-3 MSD	EW 3D 110116	Total/NA	Ground Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108857-1
 SDG: 480-108857-1

Client Sample ID: EW 7S 110116

Date Collected: 11/01/16 11:28

Date Received: 11/02/16 09:30

Lab Sample ID: 480-108857-1

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	331306	11/13/16 12:01	JWG	TAL BUF

Client Sample ID: EW 8D 110116

Date Collected: 11/01/16 11:25

Date Received: 11/02/16 09:30

Lab Sample ID: 480-108857-2

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	331306	11/13/16 12:25	JWG	TAL BUF

Client Sample ID: EW 3D 110116

Date Collected: 11/01/16 10:42

Date Received: 11/02/16 09:30

Lab Sample ID: 480-108857-3

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	331306	11/13/16 12:49	JWG	TAL BUF

Client Sample ID: EW 4P 110116

Date Collected: 11/01/16 10:22

Date Received: 11/02/16 09:30

Lab Sample ID: 480-108857-4

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	331306	11/13/16 13:13	JWG	TAL BUF

Client Sample ID: EW 5P 110116

Date Collected: 11/01/16 10:16

Date Received: 11/02/16 09:30

Lab Sample ID: 480-108857-5

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	331306	11/13/16 13:37	JWG	TAL BUF

Client Sample ID: EW 2P 110116

Date Collected: 11/01/16 10:10

Date Received: 11/02/16 09:30

Lab Sample ID: 480-108857-6

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	331306	11/13/16 14:01	JWG	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-108857-1
SDG: 480-108857-1

Client Sample ID: EW 6P 110116

Date Collected: 11/01/16 10:03
Date Received: 11/02/16 09:30

Lab Sample ID: 480-108857-7

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	331306	11/13/16 14:25	JWG	TAL BUF

Client Sample ID: ADP-100 110116

Date Collected: 11/01/16 10:00
Date Received: 11/02/16 09:30

Lab Sample ID: 480-108857-8

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	331306	11/13/16 14:50	JWG	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Certification Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108857-1
 SDG: 480-108857-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17
Georgia	State Program	4	956	03-31-17
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	11-30-16 *
Kentucky (DW)	State Program	4	90029	12-31-16 *
Kentucky (UST)	State Program	4	30	03-31-17
Kentucky (WW)	State Program	4	90029	12-31-16 *
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-16 *
Maryland	State Program	3	294	03-31-17
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17
Minnesota	NELAP	5	036-999-337	12-31-16 *
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-16 *
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17
North Dakota	State Program	8	R-176	03-31-17
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-16 *
Tennessee	State Program	4	TN02970	03-31-17
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-17
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

TestAmerica Buffalo

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-108857-1
SDG: 480-108857-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-108857-1
SDG: 480-108857-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-108857-1	EW 7S 110116	Ground Water	11/01/16 11:28	11/02/16 09:30
480-108857-2	EW 8D 110116	Ground Water	11/01/16 11:25	11/02/16 09:30
480-108857-3	EW 3D 110116	Ground Water	11/01/16 10:42	11/02/16 09:30
480-108857-4	EW 4P 110116	Ground Water	11/01/16 10:22	11/02/16 09:30
480-108857-5	EW 5P 110116	Ground Water	11/01/16 10:16	11/02/16 09:30
480-108857-6	EW 2P 110116	Ground Water	11/01/16 10:10	11/02/16 09:30
480-108857-7	EW 6P 110116	Ground Water	11/01/16 10:03	11/02/16 09:30
480-108857-8	ADP-100 110116	Ground Water	11/01/16 10:00	11/02/16 09:30

48003453

Chain of Custody Record

TestAmerica CINCINNATI

210501

Temperature on Receipt _____

Drinking Water? Yes No

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client Address City Project Name and Location (State) Contract/Purchase Order/Quote No.	Project Manager Telephone Number (Area Code)/Fax Number Site Contact Carrier/Mailbox Number	Date Lab Number	Date Page <u>1</u> of <u>1</u>
O'Brien & Gene 8905 Government Hill Dr Cincinnati GE - TRM (Ohio)	Tony Fired 248-477-5101 Mike Laughlin Carrier/Mailbox Number	11-1-16	291099
Analysis (Attach list if more space is needed)			

Special Instructions/
Conditions of Receipt

480-108857 COC

Sample I.D. No. and Description

(Containers for each sample may be combined on one line)

	Date	Time	At	Abnormal	Soil	Sed.	Horn	NHAC	NHOB	HNO3	H2SO4	Upticks	Containers & Preservatives
EW-7S	11/01/16	11-1-16	11:28	X									
EW-8D	11/01/16		11:25	X			3						
EW-3D	11/01/16	(ms/mg)	10:42	X			9						
EW-4P	11/01/16		10:32	X			3						
EW-5P	11/01/16		10:16	X			MM						
BW-3P	11/01/16		10:10	X			MM						
EW-6P	11/01/16		10:03	X			3						
ADP-100	11/01/16		10:03	X			3						

Possible Hazard Identification

 Non-Hazard Flammable Skin Irritant Poison A Unknown Return To Client Disposal By Lab Archive For _____ Months

QC Requirements (Specify)

 Turn Around Time Required
 24 Hours 48 Hours 7 Days 14 Days 21 Days Other _____

1. Requisitioned By	Date <u>11/1-16</u>	Time <u>12:48</u>	1. Received By <u>Mike Laughlin</u>	Date <u>11/1-16</u>	Time <u>12:57</u>	2. Received By <u>Mike Laughlin</u>	Date <u>11/1-16</u>	Time <u>01:30</u>	3. Received By <u>Mike Laughlin</u>
2. Field Collected By									
3. Relinquished By									

Comments

Use This Blank Will COC # 291098 / New Labels are NOT good!

DISTRIBUTION: WHITEx - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-108857-1

SDG Number: 480-108857-1

Login Number: 108857

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-110383-1

TestAmerica Sample Delivery Group: 480-110383-1

Client Project/Site: GE - IRM

For:

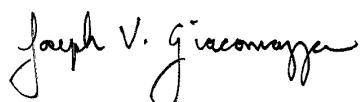
O'Brien & Gere Inc of North America

8805 Governor's Hill Dr.

Ste. 164

Cincinnati, Ohio 45249

Attn: Chase Forman



Authorized for release by:

12/12/2016 12:50:14 PM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?

Ask
The
Expert

Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	7
Surrogate Summary	15
QC Sample Results	16
QC Association Summary	20
Lab Chronicle	21
Certification Summary	23
Method Summary	24
Sample Summary	25
Chain of Custody	26
Receipt Checklists	27

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110383-1
SDG: 480-110383-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110383-1
SDG: 480-110383-1

Job ID: 480-110383-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-110383-1

Receipt

The samples were received on 12/2/2016 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.5° C.

GC/MS VOA

Method(s) 8260C: The following samples were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: EW 8D 120116 (480-110383-2), EW 3D 120116 (480-110383-3[MS]) and EW 3D 120116 (480-110383-3[MSD]). The samples were analyzed within 7 days per EPA recommendation.

Method(s) 8260C: The matrix spike duplicate (MSD) recoveries for analytical batch 480-334588 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. The following sample is impacted: EW 3D 120116 (480-110383-3[MSD]).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: EW 7S 120116 (480-110383-1), EW 3D 120116 (480-110383-3), EW 3D 120116 (480-110383-3[MS]), EW 3D 120116 (480-110383-3[MSD]), EW 4P 120116 (480-110383-4), EW 5P 120116 (480-110383-5), EW 2P 120116 (480-110383-6), EW 6P 120116 (480-110383-7) and ADP-100 120116 (480-110383-8). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110383-1
 SDG: 480-110383-1

Client Sample ID: EW 7S 120116

Lab Sample ID: 480-110383-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	160		4.0	3.2	ug/L	4		8260C	Total/NA
Vinyl chloride	230		4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: EW 8D 120116

Lab Sample ID: 480-110383-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.0		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	3.9		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.6		1.0	0.90	ug/L	1		8260C	Total/NA
Vinyl chloride	5.6		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: EW 3D 120116

Lab Sample ID: 480-110383-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	140		4.0	3.2	ug/L	4		8260C	Total/NA
trans-1,2-Dichloroethene	26		4.0	3.6	ug/L	4		8260C	Total/NA
Trichloroethene	200	F1	4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	3.6	J	4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: EW 4P 120116

Lab Sample ID: 480-110383-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	73		4.0	3.3	ug/L	4		8260C	Total/NA
1,1-Dichloroethane	22		4.0	1.5	ug/L	4		8260C	Total/NA
1,1-Dichloroethene	7.4		4.0	1.2	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	26		4.0	3.2	ug/L	4		8260C	Total/NA
Trichloroethene	160		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: EW 5P 120116

Lab Sample ID: 480-110383-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	69		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	21		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	7.0		2.0	0.58	ug/L	2		8260C	Total/NA
Chloroform	0.86	J	2.0	0.68	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	24		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	0.96	J	2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	150		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	2.0		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: EW 2P 120116

Lab Sample ID: 480-110383-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	58		5.0	4.1	ug/L	5		8260C	Total/NA
1,1-Dichloroethane	20		5.0	1.9	ug/L	5		8260C	Total/NA
1,1-Dichloroethene	2.5	J	5.0	1.5	ug/L	5		8260C	Total/NA
Chloroform	1.9	J	5.0	1.7	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	42		5.0	4.1	ug/L	5		8260C	Total/NA
Trichloroethene	150		5.0	2.3	ug/L	5		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110383-1
 SDG: 480-110383-1

Client Sample ID: EW 6P 120116

Lab Sample ID: 480-110383-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	30		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	5.6		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	0.95	J	2.0	0.58	ug/L	2		8260C	Total/NA
Chloroform	0.77	J	2.0	0.68	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	10		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	1.1	J	2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	110		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: ADP-100 120116

Lab Sample ID: 480-110383-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	31		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	5.4		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.2	J	2.0	0.58	ug/L	2		8260C	Total/NA
Chloroform	0.75	J	2.0	0.68	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	9.8		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	1.1	J	2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	110		2.0	0.92	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110383-1
SDG: 480-110383-1

Client Sample ID: EW 7S 120116

Date Collected: 12/01/16 08:35

Date Received: 12/02/16 09:30

Lab Sample ID: 480-110383-1

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			12/03/16 20:04	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			12/03/16 20:04	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			12/03/16 20:04	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			12/03/16 20:04	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			12/03/16 20:04	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			12/03/16 20:04	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			12/03/16 20:04	4
2-Hexanone	ND		20	5.0	ug/L			12/03/16 20:04	4
2-Butanone (MEK)	ND		40	5.3	ug/L			12/03/16 20:04	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			12/03/16 20:04	4
Acetone	ND		40	12	ug/L			12/03/16 20:04	4
Benzene	ND		4.0	1.6	ug/L			12/03/16 20:04	4
Bromodichloromethane	ND		4.0	1.6	ug/L			12/03/16 20:04	4
Bromoform	ND		4.0	1.0	ug/L			12/03/16 20:04	4
Bromomethane	ND		4.0	2.8	ug/L			12/03/16 20:04	4
Carbon disulfide	ND		4.0	0.76	ug/L			12/03/16 20:04	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			12/03/16 20:04	4
Chlorobenzene	ND		4.0	3.0	ug/L			12/03/16 20:04	4
Dibromochloromethane	ND		4.0	1.3	ug/L			12/03/16 20:04	4
Chloroethane	ND		4.0	1.3	ug/L			12/03/16 20:04	4
Chloroform	ND		4.0	1.4	ug/L			12/03/16 20:04	4
Chloromethane	ND		4.0	1.4	ug/L			12/03/16 20:04	4
cis-1,2-Dichloroethene	160		4.0	3.2	ug/L			12/03/16 20:04	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			12/03/16 20:04	4
Ethylbenzene	ND		4.0	3.0	ug/L			12/03/16 20:04	4
Methylene Chloride	ND		4.0	1.8	ug/L			12/03/16 20:04	4
Styrene	ND		4.0	2.9	ug/L			12/03/16 20:04	4
Tetrachloroethene	ND		4.0	1.4	ug/L			12/03/16 20:04	4
Toluene	ND		4.0	2.0	ug/L			12/03/16 20:04	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			12/03/16 20:04	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			12/03/16 20:04	4
Trichloroethene	ND		4.0	1.8	ug/L			12/03/16 20:04	4
Vinyl chloride	230		4.0	3.6	ug/L			12/03/16 20:04	4
Xylenes, Total	ND		8.0	2.6	ug/L			12/03/16 20:04	4
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96			77 - 120				12/03/16 20:04	4
Toluene-d8 (Surr)	99			80 - 120				12/03/16 20:04	4
4-Bromofluorobenzene (Surr)	99			73 - 120				12/03/16 20:04	4
Dibromofluoromethane (Surr)	97			75 - 123				12/03/16 20:04	4

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110383-1
 SDG: 480-110383-1

Client Sample ID: EW 8D 120116

Date Collected: 12/01/16 08:32
 Date Received: 12/02/16 09:30

Lab Sample ID: 480-110383-2
 Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/03/16 20:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/03/16 20:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/03/16 20:28	1
1,1-Dichloroethane	1.0		1.0	0.38	ug/L			12/03/16 20:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/03/16 20:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/03/16 20:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/03/16 20:28	1
2-Hexanone	ND		5.0	1.2	ug/L			12/03/16 20:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/03/16 20:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/03/16 20:28	1
Acetone	ND		10	3.0	ug/L			12/03/16 20:28	1
Benzene	ND		1.0	0.41	ug/L			12/03/16 20:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/03/16 20:28	1
Bromoform	ND		1.0	0.26	ug/L			12/03/16 20:28	1
Bromomethane	ND		1.0	0.69	ug/L			12/03/16 20:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/03/16 20:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/03/16 20:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/03/16 20:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/03/16 20:28	1
Chloroethane	ND		1.0	0.32	ug/L			12/03/16 20:28	1
Chloroform	ND		1.0	0.34	ug/L			12/03/16 20:28	1
Chloromethane	ND		1.0	0.35	ug/L			12/03/16 20:28	1
cis-1,2-Dichloroethene	3.9		1.0	0.81	ug/L			12/03/16 20:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/03/16 20:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/03/16 20:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/03/16 20:28	1
Styrene	ND		1.0	0.73	ug/L			12/03/16 20:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/03/16 20:28	1
Toluene	ND		1.0	0.51	ug/L			12/03/16 20:28	1
trans-1,2-Dichloroethene	1.6		1.0	0.90	ug/L			12/03/16 20:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/03/16 20:28	1
Trichloroethene	ND		1.0	0.46	ug/L			12/03/16 20:28	1
Vinyl chloride	5.6		1.0	0.90	ug/L			12/03/16 20:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/03/16 20:28	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101			77 - 120				12/03/16 20:28	1
Toluene-d8 (Surr)	102			80 - 120				12/03/16 20:28	1
4-Bromofluorobenzene (Surr)	99			73 - 120				12/03/16 20:28	1
Dibromofluoromethane (Surr)	100			75 - 123				12/03/16 20:28	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110383-1
 SDG: 480-110383-1

Client Sample ID: EW 3D 120116

Date Collected: 12/01/16 08:10
 Date Received: 12/02/16 09:30

Lab Sample ID: 480-110383-3
 Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			12/03/16 20:52	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			12/03/16 20:52	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			12/03/16 20:52	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			12/03/16 20:52	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			12/03/16 20:52	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			12/03/16 20:52	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			12/03/16 20:52	4
2-Hexanone	ND		20	5.0	ug/L			12/03/16 20:52	4
2-Butanone (MEK)	ND		40	5.3	ug/L			12/03/16 20:52	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			12/03/16 20:52	4
Acetone	ND		40	12	ug/L			12/03/16 20:52	4
Benzene	ND		4.0	1.6	ug/L			12/03/16 20:52	4
Bromodichloromethane	ND		4.0	1.6	ug/L			12/03/16 20:52	4
Bromoform	ND		4.0	1.0	ug/L			12/03/16 20:52	4
Bromomethane	ND		4.0	2.8	ug/L			12/03/16 20:52	4
Carbon disulfide	ND		4.0	0.76	ug/L			12/03/16 20:52	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			12/03/16 20:52	4
Chlorobenzene	ND		4.0	3.0	ug/L			12/03/16 20:52	4
Dibromochloromethane	ND		4.0	1.3	ug/L			12/03/16 20:52	4
Chloroethane	ND		4.0	1.3	ug/L			12/03/16 20:52	4
Chloroform	ND		4.0	1.4	ug/L			12/03/16 20:52	4
Chloromethane	ND		4.0	1.4	ug/L			12/03/16 20:52	4
cis-1,2-Dichloroethene	140		4.0	3.2	ug/L			12/03/16 20:52	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			12/03/16 20:52	4
Ethylbenzene	ND		4.0	3.0	ug/L			12/03/16 20:52	4
Methylene Chloride	ND		4.0	1.8	ug/L			12/03/16 20:52	4
Styrene	ND		4.0	2.9	ug/L			12/03/16 20:52	4
Tetrachloroethene	ND		4.0	1.4	ug/L			12/03/16 20:52	4
Toluene	ND		4.0	2.0	ug/L			12/03/16 20:52	4
trans-1,2-Dichloroethene	26		4.0	3.6	ug/L			12/03/16 20:52	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			12/03/16 20:52	4
Trichloroethene	200 F1		4.0	1.8	ug/L			12/03/16 20:52	4
Vinyl chloride	3.6 J		4.0	3.6	ug/L			12/03/16 20:52	4
Xylenes, Total	ND		8.0	2.6	ug/L			12/03/16 20:52	4
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98			77 - 120				12/03/16 20:52	4
Toluene-d8 (Surr)	101			80 - 120				12/03/16 20:52	4
4-Bromofluorobenzene (Surr)	99			73 - 120				12/03/16 20:52	4
Dibromofluoromethane (Surr)	99			75 - 123				12/03/16 20:52	4

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110383-1
 SDG: 480-110383-1

Client Sample ID: EW 4P 120116

Date Collected: 12/01/16 07:55

Date Received: 12/02/16 09:30

Lab Sample ID: 480-110383-4

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	73		4.0	3.3	ug/L			12/03/16 21:16	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			12/03/16 21:16	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			12/03/16 21:16	4
1,1-Dichloroethane	22		4.0	1.5	ug/L			12/03/16 21:16	4
1,1-Dichloroethene	7.4		4.0	1.2	ug/L			12/03/16 21:16	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			12/03/16 21:16	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			12/03/16 21:16	4
2-Hexanone	ND		20	5.0	ug/L			12/03/16 21:16	4
2-Butanone (MEK)	ND		40	5.3	ug/L			12/03/16 21:16	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			12/03/16 21:16	4
Acetone	ND		40	12	ug/L			12/03/16 21:16	4
Benzene	ND		4.0	1.6	ug/L			12/03/16 21:16	4
Bromodichloromethane	ND		4.0	1.6	ug/L			12/03/16 21:16	4
Bromoform	ND		4.0	1.0	ug/L			12/03/16 21:16	4
Bromomethane	ND		4.0	2.8	ug/L			12/03/16 21:16	4
Carbon disulfide	ND		4.0	0.76	ug/L			12/03/16 21:16	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			12/03/16 21:16	4
Chlorobenzene	ND		4.0	3.0	ug/L			12/03/16 21:16	4
Dibromochloromethane	ND		4.0	1.3	ug/L			12/03/16 21:16	4
Chloroethane	ND		4.0	1.3	ug/L			12/03/16 21:16	4
Chloroform	ND		4.0	1.4	ug/L			12/03/16 21:16	4
Chloromethane	ND		4.0	1.4	ug/L			12/03/16 21:16	4
cis-1,2-Dichloroethene	26		4.0	3.2	ug/L			12/03/16 21:16	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			12/03/16 21:16	4
Ethylbenzene	ND		4.0	3.0	ug/L			12/03/16 21:16	4
Methylene Chloride	ND		4.0	1.8	ug/L			12/03/16 21:16	4
Styrene	ND		4.0	2.9	ug/L			12/03/16 21:16	4
Tetrachloroethene	ND		4.0	1.4	ug/L			12/03/16 21:16	4
Toluene	ND		4.0	2.0	ug/L			12/03/16 21:16	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			12/03/16 21:16	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			12/03/16 21:16	4
Trichloroethene	160		4.0	1.8	ug/L			12/03/16 21:16	4
Vinyl chloride	ND		4.0	3.6	ug/L			12/03/16 21:16	4
Xylenes, Total	ND		8.0	2.6	ug/L			12/03/16 21:16	4
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99			77 - 120				12/03/16 21:16	4
Toluene-d8 (Surr)	99			80 - 120				12/03/16 21:16	4
4-Bromofluorobenzene (Surr)	97			73 - 120				12/03/16 21:16	4
Dibromofluoromethane (Surr)	102			75 - 123				12/03/16 21:16	4

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110383-1
SDG: 480-110383-1

Client Sample ID: EW 5P 120116

Date Collected: 12/01/16 07:48
Date Received: 12/02/16 09:30

Lab Sample ID: 480-110383-5
Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	69		2.0	1.6	ug/L			12/03/16 21:39	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			12/03/16 21:39	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			12/03/16 21:39	2
1,1-Dichloroethane	21		2.0	0.76	ug/L			12/03/16 21:39	2
1,1-Dichloroethene	7.0		2.0	0.58	ug/L			12/03/16 21:39	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			12/03/16 21:39	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			12/03/16 21:39	2
2-Hexanone	ND		10	2.5	ug/L			12/03/16 21:39	2
2-Butanone (MEK)	ND		20	2.6	ug/L			12/03/16 21:39	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			12/03/16 21:39	2
Acetone	ND		20	6.0	ug/L			12/03/16 21:39	2
Benzene	ND		2.0	0.82	ug/L			12/03/16 21:39	2
Bromodichloromethane	ND		2.0	0.78	ug/L			12/03/16 21:39	2
Bromoform	ND		2.0	0.52	ug/L			12/03/16 21:39	2
Bromomethane	ND		2.0	1.4	ug/L			12/03/16 21:39	2
Carbon disulfide	ND		2.0	0.38	ug/L			12/03/16 21:39	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			12/03/16 21:39	2
Chlorobenzene	ND		2.0	1.5	ug/L			12/03/16 21:39	2
Dibromochloromethane	ND		2.0	0.64	ug/L			12/03/16 21:39	2
Chloroethane	ND		2.0	0.64	ug/L			12/03/16 21:39	2
Chloroform	0.86 J		2.0	0.68	ug/L			12/03/16 21:39	2
Chloromethane	ND		2.0	0.70	ug/L			12/03/16 21:39	2
cis-1,2-Dichloroethene	24		2.0	1.6	ug/L			12/03/16 21:39	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			12/03/16 21:39	2
Ethylbenzene	ND		2.0	1.5	ug/L			12/03/16 21:39	2
Methylene Chloride	ND		2.0	0.88	ug/L			12/03/16 21:39	2
Styrene	ND		2.0	1.5	ug/L			12/03/16 21:39	2
Tetrachloroethene	0.96 J		2.0	0.72	ug/L			12/03/16 21:39	2
Toluene	ND		2.0	1.0	ug/L			12/03/16 21:39	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			12/03/16 21:39	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			12/03/16 21:39	2
Trichloroethene	150		2.0	0.92	ug/L			12/03/16 21:39	2
Vinyl chloride	2.0		2.0	1.8	ug/L			12/03/16 21:39	2
Xylenes, Total	ND		4.0	1.3	ug/L			12/03/16 21:39	2
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98			77 - 120				12/03/16 21:39	2
Toluene-d8 (Surr)	102			80 - 120				12/03/16 21:39	2
4-Bromofluorobenzene (Surr)	100			73 - 120				12/03/16 21:39	2
Dibromofluoromethane (Surr)	102			75 - 123				12/03/16 21:39	2

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110383-1
 SDG: 480-110383-1

Client Sample ID: EW 2P 120116

Date Collected: 12/01/16 07:40
 Date Received: 12/02/16 09:30

Lab Sample ID: 480-110383-6
 Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	58		5.0	4.1	ug/L			12/03/16 22:03	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/03/16 22:03	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/03/16 22:03	5
1,1-Dichloroethane	20		5.0	1.9	ug/L			12/03/16 22:03	5
1,1-Dichloroethene	2.5 J		5.0	1.5	ug/L			12/03/16 22:03	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/03/16 22:03	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/03/16 22:03	5
2-Hexanone	ND		25	6.2	ug/L			12/03/16 22:03	5
2-Butanone (MEK)	ND		50	6.6	ug/L			12/03/16 22:03	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/03/16 22:03	5
Acetone	ND		50	15	ug/L			12/03/16 22:03	5
Benzene	ND		5.0	2.1	ug/L			12/03/16 22:03	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/03/16 22:03	5
Bromoform	ND		5.0	1.3	ug/L			12/03/16 22:03	5
Bromomethane	ND		5.0	3.5	ug/L			12/03/16 22:03	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/03/16 22:03	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/03/16 22:03	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/03/16 22:03	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/03/16 22:03	5
Chloroethane	ND		5.0	1.6	ug/L			12/03/16 22:03	5
Chloroform	1.9 J		5.0	1.7	ug/L			12/03/16 22:03	5
Chloromethane	ND		5.0	1.8	ug/L			12/03/16 22:03	5
cis-1,2-Dichloroethene	42		5.0	4.1	ug/L			12/03/16 22:03	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/03/16 22:03	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/03/16 22:03	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/03/16 22:03	5
Styrene	ND		5.0	3.7	ug/L			12/03/16 22:03	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/03/16 22:03	5
Toluene	ND		5.0	2.6	ug/L			12/03/16 22:03	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/03/16 22:03	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/03/16 22:03	5
Trichloroethene	150		5.0	2.3	ug/L			12/03/16 22:03	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/03/16 22:03	5
Xylenes, Total	ND		10	3.3	ug/L			12/03/16 22:03	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		12/03/16 22:03	5
Toluene-d8 (Surr)	101		80 - 120		12/03/16 22:03	5
4-Bromofluorobenzene (Surr)	99		73 - 120		12/03/16 22:03	5
Dibromofluoromethane (Surr)	101		75 - 123		12/03/16 22:03	5

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110383-1
 SDG: 480-110383-1

Client Sample ID: EW 6P 120116

Date Collected: 12/01/16 07:32
 Date Received: 12/02/16 09:30

Lab Sample ID: 480-110383-7
 Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	30		2.0	1.6	ug/L		12/03/16 22:27		2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L		12/03/16 22:27		2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L		12/03/16 22:27		2
1,1-Dichloroethane	5.6		2.0	0.76	ug/L		12/03/16 22:27		2
1,1-Dichloroethene	0.95 J		2.0	0.58	ug/L		12/03/16 22:27		2
1,2-Dichloroethane	ND		2.0	0.42	ug/L		12/03/16 22:27		2
1,2-Dichloropropane	ND		2.0	1.4	ug/L		12/03/16 22:27		2
2-Hexanone	ND		10	2.5	ug/L		12/03/16 22:27		2
2-Butanone (MEK)	ND		20	2.6	ug/L		12/03/16 22:27		2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L		12/03/16 22:27		2
Acetone	ND		20	6.0	ug/L		12/03/16 22:27		2
Benzene	ND		2.0	0.82	ug/L		12/03/16 22:27		2
Bromodichloromethane	ND		2.0	0.78	ug/L		12/03/16 22:27		2
Bromoform	ND		2.0	0.52	ug/L		12/03/16 22:27		2
Bromomethane	ND		2.0	1.4	ug/L		12/03/16 22:27		2
Carbon disulfide	ND		2.0	0.38	ug/L		12/03/16 22:27		2
Carbon tetrachloride	ND		2.0	0.54	ug/L		12/03/16 22:27		2
Chlorobenzene	ND		2.0	1.5	ug/L		12/03/16 22:27		2
Dibromochloromethane	ND		2.0	0.64	ug/L		12/03/16 22:27		2
Chloroethane	ND		2.0	0.64	ug/L		12/03/16 22:27		2
Chloroform	0.77 J		2.0	0.68	ug/L		12/03/16 22:27		2
Chloromethane	ND		2.0	0.70	ug/L		12/03/16 22:27		2
cis-1,2-Dichloroethene	10		2.0	1.6	ug/L		12/03/16 22:27		2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L		12/03/16 22:27		2
Ethylbenzene	ND		2.0	1.5	ug/L		12/03/16 22:27		2
Methylene Chloride	ND		2.0	0.88	ug/L		12/03/16 22:27		2
Styrene	ND		2.0	1.5	ug/L		12/03/16 22:27		2
Tetrachloroethene	1.1 J		2.0	0.72	ug/L		12/03/16 22:27		2
Toluene	ND		2.0	1.0	ug/L		12/03/16 22:27		2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L		12/03/16 22:27		2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L		12/03/16 22:27		2
Trichloroethene	110		2.0	0.92	ug/L		12/03/16 22:27		2
Vinyl chloride	ND		2.0	1.8	ug/L		12/03/16 22:27		2
Xylenes, Total	ND		4.0	1.3	ug/L		12/03/16 22:27		2
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99			77 - 120			12/03/16 22:27		2
Toluene-d8 (Surr)	102			80 - 120			12/03/16 22:27		2
4-Bromofluorobenzene (Surr)	99			73 - 120			12/03/16 22:27		2
Dibromofluoromethane (Surr)	101			75 - 123			12/03/16 22:27		2

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110383-1
 SDG: 480-110383-1

Client Sample ID: ADP-100 120116

Date Collected: 12/01/16 07:30

Date Received: 12/02/16 09:30

Lab Sample ID: 480-110383-8

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	31		2.0	1.6	ug/L			12/03/16 22:51	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			12/03/16 22:51	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			12/03/16 22:51	2
1,1-Dichloroethane	5.4		2.0	0.76	ug/L			12/03/16 22:51	2
1,1-Dichloroethene	1.2 J		2.0	0.58	ug/L			12/03/16 22:51	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			12/03/16 22:51	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			12/03/16 22:51	2
2-Hexanone	ND		10	2.5	ug/L			12/03/16 22:51	2
2-Butanone (MEK)	ND		20	2.6	ug/L			12/03/16 22:51	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			12/03/16 22:51	2
Acetone	ND		20	6.0	ug/L			12/03/16 22:51	2
Benzene	ND		2.0	0.82	ug/L			12/03/16 22:51	2
Bromodichloromethane	ND		2.0	0.78	ug/L			12/03/16 22:51	2
Bromoform	ND		2.0	0.52	ug/L			12/03/16 22:51	2
Bromomethane	ND		2.0	1.4	ug/L			12/03/16 22:51	2
Carbon disulfide	ND		2.0	0.38	ug/L			12/03/16 22:51	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			12/03/16 22:51	2
Chlorobenzene	ND		2.0	1.5	ug/L			12/03/16 22:51	2
Dibromochloromethane	ND		2.0	0.64	ug/L			12/03/16 22:51	2
Chloroethane	ND		2.0	0.64	ug/L			12/03/16 22:51	2
Chloroform	0.75 J		2.0	0.68	ug/L			12/03/16 22:51	2
Chloromethane	ND		2.0	0.70	ug/L			12/03/16 22:51	2
cis-1,2-Dichloroethene	9.8		2.0	1.6	ug/L			12/03/16 22:51	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			12/03/16 22:51	2
Ethylbenzene	ND		2.0	1.5	ug/L			12/03/16 22:51	2
Methylene Chloride	ND		2.0	0.88	ug/L			12/03/16 22:51	2
Styrene	ND		2.0	1.5	ug/L			12/03/16 22:51	2
Tetrachloroethene	1.1 J		2.0	0.72	ug/L			12/03/16 22:51	2
Toluene	ND		2.0	1.0	ug/L			12/03/16 22:51	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			12/03/16 22:51	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			12/03/16 22:51	2
Trichloroethene	110		2.0	0.92	ug/L			12/03/16 22:51	2
Vinyl chloride	ND		2.0	1.8	ug/L			12/03/16 22:51	2
Xylenes, Total	ND		4.0	1.3	ug/L			12/03/16 22:51	2
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100			77 - 120				12/03/16 22:51	2
Toluene-d8 (Surr)	98			80 - 120				12/03/16 22:51	2
4-Bromofluorobenzene (Surr)	100			73 - 120				12/03/16 22:51	2
Dibromofluoromethane (Surr)	102			75 - 123				12/03/16 22:51	2

TestAmerica Buffalo

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110383-1
SDG: 480-110383-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (77-120)	TOL (80-120)	BFB (73-120)	DBFM (75-123)
480-110383-1	EW 7S 120116	96	99	99	97
480-110383-2	EW 8D 120116	101	102	99	100
480-110383-3	EW 3D 120116	98	101	99	99
480-110383-3 MS	EW 3D 120116	100	101	100	103
480-110383-3 MSD	EW 3D 120116	97	101	99	99
480-110383-4	EW 4P 120116	99	99	97	102
480-110383-5	EW 5P 120116	98	102	100	102
480-110383-6	EW 2P 120116	99	101	99	101
480-110383-7	EW 6P 120116	99	102	99	101
480-110383-8	ADP-100 120116	100	98	100	102

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (77-120)	TOL (80-120)	BFB (73-120)	DBFM (75-123)
LCS 480-334588/4	Lab Control Sample	100	99	96	97
MB 480-334588/7	Method Blank	98	100	100	100

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110383-1
 SDG: 480-110383-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-334588/7

Matrix: Water

Analysis Batch: 334588

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier				
1,1,1-Trichloroethane	ND		1.0	0.82 ug/L	12/03/16 15:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21 ug/L	12/03/16 15:42	1
1,1,2-Trichloroethane	ND		1.0	0.23 ug/L	12/03/16 15:42	1
1,1-Dichloroethane	ND		1.0	0.38 ug/L	12/03/16 15:42	1
1,1-Dichloroethene	ND		1.0	0.29 ug/L	12/03/16 15:42	1
1,2-Dichloroethane	ND		1.0	0.21 ug/L	12/03/16 15:42	1
1,2-Dichloropropane	ND		1.0	0.72 ug/L	12/03/16 15:42	1
2-Hexanone	ND		5.0	1.2 ug/L	12/03/16 15:42	1
2-Butanone (MEK)	ND		10	1.3 ug/L	12/03/16 15:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1 ug/L	12/03/16 15:42	1
Acetone	ND		10	3.0 ug/L	12/03/16 15:42	1
Benzene	ND		1.0	0.41 ug/L	12/03/16 15:42	1
Bromodichloromethane	ND		1.0	0.39 ug/L	12/03/16 15:42	1
Bromoform	ND		1.0	0.26 ug/L	12/03/16 15:42	1
Bromomethane	ND		1.0	0.69 ug/L	12/03/16 15:42	1
Carbon disulfide	ND		1.0	0.19 ug/L	12/03/16 15:42	1
Carbon tetrachloride	ND		1.0	0.27 ug/L	12/03/16 15:42	1
Chlorobenzene	ND		1.0	0.75 ug/L	12/03/16 15:42	1
Dibromochloromethane	ND		1.0	0.32 ug/L	12/03/16 15:42	1
Chloroethane	ND		1.0	0.32 ug/L	12/03/16 15:42	1
Chloroform	ND		1.0	0.34 ug/L	12/03/16 15:42	1
Chloromethane	ND		1.0	0.35 ug/L	12/03/16 15:42	1
cis-1,2-Dichloroethene	ND		1.0	0.81 ug/L	12/03/16 15:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36 ug/L	12/03/16 15:42	1
Ethylbenzene	ND		1.0	0.74 ug/L	12/03/16 15:42	1
Methylene Chloride	ND		1.0	0.44 ug/L	12/03/16 15:42	1
Styrene	ND		1.0	0.73 ug/L	12/03/16 15:42	1
Tetrachloroethene	ND		1.0	0.36 ug/L	12/03/16 15:42	1
Toluene	ND		1.0	0.51 ug/L	12/03/16 15:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90 ug/L	12/03/16 15:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37 ug/L	12/03/16 15:42	1
Trichloroethene	ND		1.0	0.46 ug/L	12/03/16 15:42	1
Vinyl chloride	ND		1.0	0.90 ug/L	12/03/16 15:42	1
Xylenes, Total	ND		2.0	0.66 ug/L	12/03/16 15:42	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		12/03/16 15:42	1
Toluene-d8 (Surr)	100		80 - 120		12/03/16 15:42	1
4-Bromofluorobenzene (Surr)	100		73 - 120		12/03/16 15:42	1
Dibromofluoromethane (Surr)	100		75 - 123		12/03/16 15:42	1

Lab Sample ID: LCS 480-334588/4

Matrix: Water

Analysis Batch: 334588

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits
	Added	Result	Qualifier				
1,1,1-Trichloroethane	25.0	24.0		ug/L		96	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.1		ug/L		92	76 - 120

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110383-1
 SDG: 480-110383-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-334588/4

Matrix: Water

Analysis Batch: 334588

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

Analyte	Spike		LCS		Unit	D	%Rec	Limits	%Rec.
	Added	Result	Qualifier						
1,1,2-Trichloroethane	25.0	24.2		ug/L		97	76 - 122		
1,1-Dichloroethane	25.0	25.6		ug/L		102	77 - 120		
1,1-Dichloroethene	25.0	23.9		ug/L		96	66 - 127		
1,2-Dichloroethane	25.0	23.5		ug/L		94	75 - 120		
1,2-Dichloropropane	25.0	25.4		ug/L		102	76 - 120		
2-Hexanone	125	122		ug/L		97	65 - 127		
2-Butanone (MEK)	125	128		ug/L		102	57 - 140		
4-Methyl-2-pentanone (MIBK)	125	118		ug/L		94	71 - 125		
Acetone	125	102		ug/L		82	56 - 142		
Benzene	25.0	24.8		ug/L		99	71 - 124		
Bromodichloromethane	25.0	22.9		ug/L		91	80 - 122		
Bromoform	25.0	20.2		ug/L		81	61 - 132		
Bromomethane	25.0	30.2		ug/L		121	55 - 144		
Carbon disulfide	25.0	24.1		ug/L		96	59 - 134		
Carbon tetrachloride	25.0	22.7		ug/L		91	72 - 134		
Chlorobenzene	25.0	24.6		ug/L		98	80 - 120		
Dibromochloromethane	25.0	21.5		ug/L		86	75 - 125		
Chloroethane	25.0	27.2		ug/L		109	69 - 136		
Chloroform	25.0	23.6		ug/L		95	73 - 127		
Chloromethane	25.0	21.6		ug/L		86	68 - 124		
cis-1,2-Dichloroethene	25.0	24.9		ug/L		100	74 - 124		
cis-1,3-Dichloropropene	25.0	24.6		ug/L		98	74 - 124		
Ethylbenzene	25.0	24.5		ug/L		98	77 - 123		
Methylene Chloride	25.0	24.7		ug/L		99	75 - 124		
Styrene	25.0	24.2		ug/L		97	80 - 120		
Tetrachloroethene	25.0	25.2		ug/L		101	74 - 122		
Toluene	25.0	23.8		ug/L		95	80 - 122		
trans-1,2-Dichloroethene	25.0	24.4		ug/L		97	73 - 127		
trans-1,3-Dichloropropene	25.0	23.5		ug/L		94	80 - 120		
Trichloroethene	25.0	24.9		ug/L		100	74 - 123		
Vinyl chloride	25.0	23.4		ug/L		94	65 - 133		
Xylenes, Total	50.0	48.7		ug/L		97	76 - 122		

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Sur)	100		77 - 120
Toluene-d8 (Sur)	99		80 - 120
4-Bromofluorobenzene (Sur)	96		73 - 120
Dibromofluoromethane (Sur)	97		75 - 123

Lab Sample ID: 480-110383-3 MS

Matrix: Ground Water

Analysis Batch: 334588

Client Sample ID: EW 3D 120116
 Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
1,1,1-Trichloroethane	ND		100	94.8		ug/L		95	73 - 126
1,1,2,2-Tetrachloroethane	ND		100	95.3		ug/L		95	76 - 120
1,1,2-Trichloroethane	ND		100	99.0		ug/L		99	76 - 122
1,1-Dichloroethane	ND		100	100		ug/L		100	77 - 120

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110383-1
SDG: 480-110383-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-110383-3 MS

Matrix: Ground Water

Analysis Batch: 334588

Client Sample ID: EW 3D 120116
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
1,1-Dichloroethene	ND		100	98.1		ug/L		98	66 - 127
1,2-Dichloroethane	ND		100	92.3		ug/L		92	75 - 120
1,2-Dichloropropane	ND		100	101		ug/L		101	76 - 120
2-Hexanone	ND		500	445		ug/L		89	65 - 127
2-Butanone (MEK)	ND		500	437		ug/L		87	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		500	465		ug/L		93	71 - 125
Acetone	ND		500	385		ug/L		77	56 - 142
Benzene	ND		100	101		ug/L		101	71 - 124
Bromodichloromethane	ND		100	91.2		ug/L		91	80 - 122
Bromoform	ND		100	77.8		ug/L		78	61 - 132
Bromomethane	ND		100	120		ug/L		120	55 - 144
Carbon disulfide	ND		100	98.9		ug/L		99	59 - 134
Carbon tetrachloride	ND		100	90.7		ug/L		91	72 - 134
Chlorobenzene	ND		100	98.1		ug/L		98	80 - 120
Dibromochloromethane	ND		100	84.3		ug/L		84	75 - 125
Chloroethane	ND		100	113		ug/L		113	69 - 136
Chloroform	ND		100	96.9		ug/L		97	73 - 127
Chloromethane	ND		100	91.0		ug/L		91	68 - 124
cis-1,2-Dichloroethene	140		100	230		ug/L		88	74 - 124
cis-1,3-Dichloropropene	ND		100	95.2		ug/L		95	74 - 124
Ethylbenzene	ND		100	97.9		ug/L		98	77 - 123
Methylene Chloride	ND		100	99.9		ug/L		100	75 - 124
Styrene	ND		100	98.7		ug/L		99	80 - 120
Tetrachloroethene	ND		100	97.4		ug/L		97	74 - 122
Toluene	ND		100	95.7		ug/L		96	80 - 122
trans-1,2-Dichloroethene	26		100	126		ug/L		99	73 - 127
trans-1,3-Dichloropropene	ND		100	94.9		ug/L		95	80 - 120
Trichloroethene	200 F1		100	282		ug/L		79	74 - 123
Vinyl chloride	3.6 J		100	102		ug/L		102	65 - 133
Xylenes, Total	ND		200	194		ug/L		97	76 - 122

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
Toluene-d8 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	100		73 - 120
Dibromofluoromethane (Surr)	103		75 - 123

Lab Sample ID: 480-110383-3 MSD

Matrix: Ground Water

Analysis Batch: 334588

Client Sample ID: EW 3D 120116
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
1,1,1-Trichloroethane	ND		100	90.0		ug/L		90	73 - 126	5	15
1,1,2,2-Tetrachloroethane	ND		100	95.4		ug/L		95	76 - 120	0	15
1,1,2-Trichloroethane	ND		100	96.4		ug/L		96	76 - 122	3	15
1,1-Dichloroethane	ND		100	95.8		ug/L		96	77 - 120	4	20
1,1-Dichloroethene	ND		100	90.8		ug/L		91	66 - 127	8	16
1,2-Dichloroethane	ND		100	91.7		ug/L		92	75 - 120	1	20

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110383-1
 SDG: 480-110383-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-110383-3 MSD

Matrix: Ground Water

Analysis Batch: 334588

Client Sample ID: EW 3D 120116

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						
1,2-Dichloropropane	ND		100	97.0		ug/L		97	76 - 120	4	20
2-Hexanone	ND		500	464		ug/L		93	65 - 127	4	15
2-Butanone (MEK)	ND		500	434		ug/L		87	57 - 140	1	20
4-Methyl-2-pentanone (MIBK)	ND		500	475		ug/L		95	71 - 125	2	35
Acetone	ND		500	387		ug/L		77	56 - 142	1	15
Benzene	ND		100	97.3		ug/L		97	71 - 124	4	13
Bromodichloromethane	ND		100	88.0		ug/L		88	80 - 122	4	15
Bromoform	ND		100	76.8		ug/L		77	61 - 132	1	15
Bromomethane	ND		100	110		ug/L		110	55 - 144	9	15
Carbon disulfide	ND		100	91.8		ug/L		92	59 - 134	7	15
Carbon tetrachloride	ND		100	84.4		ug/L		84	72 - 134	7	15
Chlorobenzene	ND		100	96.7		ug/L		97	80 - 120	1	25
Dibromochloromethane	ND		100	86.8		ug/L		87	75 - 125	3	15
Chloroethane	ND		100	104		ug/L		104	69 - 136	8	15
Chloroform	ND		100	92.2		ug/L		92	73 - 127	5	20
Chloromethane	ND		100	84.5		ug/L		85	68 - 124	7	15
cis-1,2-Dichloroethene	140		100	220		ug/L		78	74 - 124	4	15
cis-1,3-Dichloropropene	ND		100	93.4		ug/L		93	74 - 124	2	15
Ethylbenzene	ND		100	95.5		ug/L		95	77 - 123	3	15
Methylene Chloride	ND		100	98.9		ug/L		99	75 - 124	1	15
Styrene	ND		100	95.8		ug/L		96	80 - 120	3	20
Tetrachloroethene	ND		100	93.1		ug/L		93	74 - 122	5	20
Toluene	ND		100	93.5		ug/L		94	80 - 122	2	15
trans-1,2-Dichloroethene	26		100	117		ug/L		91	73 - 127	7	20
trans-1,3-Dichloropropene	ND		100	93.2		ug/L		93	80 - 120	2	15
Trichloroethene	200	F1	100	263	F1	ug/L		60	74 - 123	7	16
Vinyl chloride	3.6	J	100	96.0		ug/L		96	65 - 133	6	15
Xylenes, Total	ND		200	190		ug/L		95	76 - 122	2	16

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	97		77 - 120
Toluene-d8 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	99		73 - 120
Dibromofluoromethane (Surr)	99		75 - 123

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110383-1
SDG: 480-110383-1

GC/MS VOA

Analysis Batch: 334588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110383-1	EW 7S 120116	Total/NA	Ground Water	8260C	5
480-110383-2	EW 8D 120116	Total/NA	Ground Water	8260C	6
480-110383-3	EW 3D 120116	Total/NA	Ground Water	8260C	7
480-110383-4	EW 4P 120116	Total/NA	Ground Water	8260C	8
480-110383-5	EW 5P 120116	Total/NA	Ground Water	8260C	9
480-110383-6	EW 2P 120116	Total/NA	Ground Water	8260C	10
480-110383-7	EW 6P 120116	Total/NA	Ground Water	8260C	11
480-110383-8	ADP-100 120116	Total/NA	Ground Water	8260C	12
MB 480-334588/7	Method Blank	Total/NA	Water	8260C	13
LCS 480-334588/4	Lab Control Sample	Total/NA	Water	8260C	14
480-110383-3 MS	EW 3D 120116	Total/NA	Ground Water	8260C	15
480-110383-3 MSD	EW 3D 120116	Total/NA	Ground Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110383-1
 SDG: 480-110383-1

Client Sample ID: EW 7S 120116

Date Collected: 12/01/16 08:35
 Date Received: 12/02/16 09:30

Lab Sample ID: 480-110383-1
 Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	334588	12/03/16 20:04	RRS	TAL BUF

Client Sample ID: EW 8D 120116

Date Collected: 12/01/16 08:32
 Date Received: 12/02/16 09:30

Lab Sample ID: 480-110383-2
 Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	334588	12/03/16 20:28	RRS	TAL BUF

Client Sample ID: EW 3D 120116

Date Collected: 12/01/16 08:10
 Date Received: 12/02/16 09:30

Lab Sample ID: 480-110383-3
 Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	334588	12/03/16 20:52	RRS	TAL BUF

Client Sample ID: EW 4P 120116

Date Collected: 12/01/16 07:55
 Date Received: 12/02/16 09:30

Lab Sample ID: 480-110383-4
 Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	334588	12/03/16 21:16	RRS	TAL BUF

Client Sample ID: EW 5P 120116

Date Collected: 12/01/16 07:48
 Date Received: 12/02/16 09:30

Lab Sample ID: 480-110383-5
 Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	334588	12/03/16 21:39	RRS	TAL BUF

Client Sample ID: EW 2P 120116

Date Collected: 12/01/16 07:40
 Date Received: 12/02/16 09:30

Lab Sample ID: 480-110383-6
 Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	334588	12/03/16 22:03	RRS	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110383-1
SDG: 480-110383-1

Client Sample ID: EW 6P 120116

Date Collected: 12/01/16 07:32
Date Received: 12/02/16 09:30

Lab Sample ID: 480-110383-7

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	334588	12/03/16 22:27	RRS	TAL BUF

Client Sample ID: ADP-100 120116

Date Collected: 12/01/16 07:30
Date Received: 12/02/16 09:30

Lab Sample ID: 480-110383-8

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	334588	12/03/16 22:51	RRS	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110383-1
 SDG: 480-110383-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17
Georgia	State Program	4	956	03-31-17
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-17 *
Kansas	NELAP	7	E-10187	11-30-16 *
Kentucky (DW)	State Program	4	90029	12-31-16 *
Kentucky (UST)	State Program	4	30	03-31-17
Kentucky (WW)	State Program	4	90029	12-31-16 *
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-18
Maryland	State Program	3	294	03-31-17
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17
Minnesota	NELAP	5	036-999-337	12-31-16 *
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-17
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17
North Dakota	State Program	8	R-176	03-31-17
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-16 *
Tennessee	State Program	4	TN02970	03-31-17
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-17 *
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

TestAmerica Buffalo

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110383-1
SDG: 480-110383-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110383-1
SDG: 480-110383-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-110383-1	EW 7S 120116	Ground Water	12/01/16 08:35	12/02/16 09:30
480-110383-2	EW 8D 120116	Ground Water	12/01/16 08:32	12/02/16 09:30
480-110383-3	EW 3D 120116	Ground Water	12/01/16 08:10	12/02/16 09:30
480-110383-4	EW 4P 120116	Ground Water	12/01/16 07:55	12/02/16 09:30
480-110383-5	EW 5P 120116	Ground Water	12/01/16 07:48	12/02/16 09:30
480-110383-6	EW 2P 120116	Ground Water	12/01/16 07:40	12/02/16 09:30
480-110383-7	EW 6P 120116	Ground Water	12/01/16 07:32	12/02/16 09:30
480-110383-8	ADP-100 120116	Ground Water	12/01/16 07:30	12/02/16 09:30

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

4830 3453

**Chain of
Custody Record**
CINCINNATI
210501

Temperature on Receipt _____

Drinking Water? Yes No
TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

480-110383 COC

TAL-4124 (1007)

Client Address	OBrien & Gene	Project Manager	Tony Finch	Date	12-1-16	Chain of Custody Number	291287						
City	8805 Governor's Hill Dr	Telephone Number (Area Code/Fax Number)	248-477-5701	Lab Number		Page	1 of 1						
Project Name and Location (State)	Cincinnati, OH	Site Contact	John Schau	Analysis (Attach list if more space is needed)									
Contract/Purchase Order/Quote No.	CE TRM (Ohio)	Carrier/Mail Number		Special Instructions/ Conditions of Receipt									
Sample I.D. No. and Description (Container(s) for each sample may be combined on one line)	113 1112 17	Matrix		Containers & Preservatives									
EW-75	120116	Date	12-1-16	Time	8:35								
EW-8D	120116				X								
EW-3D	120116 (mg/mg)				X								
EW-4P	120116				X								
EW-5P	120116				X								
EW-2P	120116				X								
EW-6P	120116				X								
ADP-100	120116				X								
					7:30								
Possible Hazard Identification	<input checked="" type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client	<input checked="" type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For _____ Months	(A fee may be assessed if samples are retained longer than 1 month)			
Turn Around Time Required	<input type="checkbox"/> 24 Hours	<input type="checkbox"/> 48 Hours	<input type="checkbox"/> 7 Days	<input checked="" type="checkbox"/> 14 Days	<input type="checkbox"/> 21 Days	<input type="checkbox"/> Other _____							
1. Relinquished By	Mike McLaughlin					Date	12-1-16	Time	10:06	Date	10-11-16	Time	12:06
2. Relinquished By						Date	12/1/16	Time	12:17	Date	12/1/16	Time	09:30
3. Relinquished By						Date		Time		Date		Time	
Comments	Use Tip Blank w/ COC # 291288												

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-110383-1

SDG Number: 480-110383-1

Login Number: 110383

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OB&G
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-106956-1

TestAmerica Sample Delivery Group: 480-106956-1

Client Project/Site: GE - IRM

For:

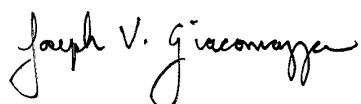
O'Brien & Gere Inc of North America

8805 Governor's Hill Dr.

Ste. 164

Cincinnati, Ohio 45249

Attn: Chase Forman



Authorized for release by:

10/7/2016 2:44:45 PM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?

Ask
The
Expert

Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
Surrogate Summary	10
QC Sample Results	11
QC Association Summary	13
Lab Chronicle	14
Certification Summary	15
Method Summary	16
Sample Summary	17
Chain of Custody	18
Receipt Checklists	19

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-106956-1
SDG: 480-106956-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-106956-1
SDG: 480-106956-1

Job ID: 480-106956-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-106956-1

Receipt

The samples were received on 10/4/2016 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.1° C.

GC/MS VOA

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent 100316 (480-106956-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-106956-1
SDG: 480-106956-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-106956-1

No Detections.

Client Sample ID: Influent 100316

Lab Sample ID: 480-106956-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	26		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	5.3		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.4	J	2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	44		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	6.2		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	92		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	10		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: Mixing Tank 100316

Lab Sample ID: 480-106956-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	19		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	3.4		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.89	J	1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	26		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	3.3		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	60		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	5.0		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: Effluent 100316

Lab Sample ID: 480-106956-4

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-106956-1
 SDG: 480-106956-1

Client Sample ID: Trip Blank

Date Collected: 10/03/16 00:00
 Date Received: 10/04/16 10:00

Lab Sample ID: 480-106956-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/04/16 19:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/04/16 19:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/04/16 19:05	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/04/16 19:05	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/04/16 19:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/04/16 19:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/04/16 19:05	1
2-Hexanone	ND		5.0	1.2	ug/L			10/04/16 19:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/04/16 19:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/04/16 19:05	1
Acetone	ND		10	3.0	ug/L			10/04/16 19:05	1
Benzene	ND		1.0	0.41	ug/L			10/04/16 19:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/04/16 19:05	1
Bromoform	ND		1.0	0.26	ug/L			10/04/16 19:05	1
Bromomethane	ND		1.0	0.69	ug/L			10/04/16 19:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/04/16 19:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/04/16 19:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/04/16 19:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/04/16 19:05	1
Chloroethane	ND		1.0	0.32	ug/L			10/04/16 19:05	1
Chloroform	ND		1.0	0.34	ug/L			10/04/16 19:05	1
Chloromethane	ND		1.0	0.35	ug/L			10/04/16 19:05	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/04/16 19:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/04/16 19:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/04/16 19:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/04/16 19:05	1
Styrene	ND		1.0	0.73	ug/L			10/04/16 19:05	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/04/16 19:05	1
Toluene	ND		1.0	0.51	ug/L			10/04/16 19:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/04/16 19:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/04/16 19:05	1
Trichloroethene	ND		1.0	0.46	ug/L			10/04/16 19:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/04/16 19:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/04/16 19:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	92		77 - 120				10/04/16 19:05	1	
Toluene-d8 (Surr)	86		80 - 120				10/04/16 19:05	1	
4-Bromofluorobenzene (Surr)	103		73 - 120				10/04/16 19:05	1	
Dibromofluoromethane (Surr)	98		75 - 123				10/04/16 19:05	1	

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-106956-1
 SDG: 480-106956-1

Client Sample ID: Influent 100316

Date Collected: 10/03/16 05:30

Date Received: 10/04/16 10:00

Lab Sample ID: 480-106956-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	26		2.0	1.6	ug/L		10/04/16 18:38		2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L		10/04/16 18:38		2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L		10/04/16 18:38		2
1,1-Dichloroethane	5.3		2.0	0.76	ug/L		10/04/16 18:38		2
1,1-Dichloroethene	1.4 J		2.0	0.58	ug/L		10/04/16 18:38		2
1,2-Dichloroethane	ND		2.0	0.42	ug/L		10/04/16 18:38		2
1,2-Dichloropropane	ND		2.0	1.4	ug/L		10/04/16 18:38		2
2-Hexanone	ND		10	2.5	ug/L		10/04/16 18:38		2
2-Butanone (MEK)	ND		20	2.6	ug/L		10/04/16 18:38		2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L		10/04/16 18:38		2
Acetone	ND		20	6.0	ug/L		10/04/16 18:38		2
Benzene	ND		2.0	0.82	ug/L		10/04/16 18:38		2
Bromodichloromethane	ND		2.0	0.78	ug/L		10/04/16 18:38		2
Bromoform	ND		2.0	0.52	ug/L		10/04/16 18:38		2
Bromomethane	ND		2.0	1.4	ug/L		10/04/16 18:38		2
Carbon disulfide	ND		2.0	0.38	ug/L		10/04/16 18:38		2
Carbon tetrachloride	ND		2.0	0.54	ug/L		10/04/16 18:38		2
Chlorobenzene	ND		2.0	1.5	ug/L		10/04/16 18:38		2
Dibromochloromethane	ND		2.0	0.64	ug/L		10/04/16 18:38		2
Chloroethane	ND		2.0	0.64	ug/L		10/04/16 18:38		2
Chloroform	ND		2.0	0.68	ug/L		10/04/16 18:38		2
Chloromethane	ND		2.0	0.70	ug/L		10/04/16 18:38		2
cis-1,2-Dichloroethene	44		2.0	1.6	ug/L		10/04/16 18:38		2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L		10/04/16 18:38		2
Ethylbenzene	ND		2.0	1.5	ug/L		10/04/16 18:38		2
Methylene Chloride	ND		2.0	0.88	ug/L		10/04/16 18:38		2
Styrene	ND		2.0	1.5	ug/L		10/04/16 18:38		2
Tetrachloroethene	ND		2.0	0.72	ug/L		10/04/16 18:38		2
Toluene	ND		2.0	1.0	ug/L		10/04/16 18:38		2
trans-1,2-Dichloroethene	6.2		2.0	1.8	ug/L		10/04/16 18:38		2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L		10/04/16 18:38		2
Trichloroethene	92		2.0	0.92	ug/L		10/04/16 18:38		2
Vinyl chloride	10		2.0	1.8	ug/L		10/04/16 18:38		2
Xylenes, Total	ND		4.0	1.3	ug/L		10/04/16 18:38		2
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	90		77 - 120				10/04/16 18:38		2
Toluene-d8 (Surr)	89		80 - 120				10/04/16 18:38		2
4-Bromofluorobenzene (Surr)	101		73 - 120				10/04/16 18:38		2
Dibromofluoromethane (Surr)	95		75 - 123				10/04/16 18:38		2

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-106956-1
 SDG: 480-106956-1

Client Sample ID: Mixing Tank 100316

Lab Sample ID: 480-106956-3

Matrix: Water

Date Collected: 10/03/16 05:24
 Date Received: 10/04/16 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	19		1.0	0.82	ug/L			10/04/16 18:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/04/16 18:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/04/16 18:11	1
1,1-Dichloroethane	3.4		1.0	0.38	ug/L			10/04/16 18:11	1
1,1-Dichloroethene	0.89 J		1.0	0.29	ug/L			10/04/16 18:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/04/16 18:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/04/16 18:11	1
2-Hexanone	ND		5.0	1.2	ug/L			10/04/16 18:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/04/16 18:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/04/16 18:11	1
Acetone	ND		10	3.0	ug/L			10/04/16 18:11	1
Benzene	ND		1.0	0.41	ug/L			10/04/16 18:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/04/16 18:11	1
Bromoform	ND		1.0	0.26	ug/L			10/04/16 18:11	1
Bromomethane	ND		1.0	0.69	ug/L			10/04/16 18:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/04/16 18:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/04/16 18:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/04/16 18:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/04/16 18:11	1
Chloroethane	ND		1.0	0.32	ug/L			10/04/16 18:11	1
Chloroform	ND		1.0	0.34	ug/L			10/04/16 18:11	1
Chloromethane	ND		1.0	0.35	ug/L			10/04/16 18:11	1
cis-1,2-Dichloroethene	26		1.0	0.81	ug/L			10/04/16 18:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/04/16 18:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/04/16 18:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/04/16 18:11	1
Styrene	ND		1.0	0.73	ug/L			10/04/16 18:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/04/16 18:11	1
Toluene	ND		1.0	0.51	ug/L			10/04/16 18:11	1
trans-1,2-Dichloroethene	3.3		1.0	0.90	ug/L			10/04/16 18:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/04/16 18:11	1
Trichloroethene	60		1.0	0.46	ug/L			10/04/16 18:11	1
Vinyl chloride	5.0		1.0	0.90	ug/L			10/04/16 18:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/04/16 18:11	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90			77 - 120				10/04/16 18:11	1
Toluene-d8 (Surr)	86			80 - 120				10/04/16 18:11	1
4-Bromofluorobenzene (Surr)	101			73 - 120				10/04/16 18:11	1
Dibromofluoromethane (Surr)	97			75 - 123				10/04/16 18:11	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-106956-1
SDG: 480-106956-1

Client Sample ID: Effluent 100316

Date Collected: 10/03/16 05:20

Date Received: 10/04/16 10:00

Lab Sample ID: 480-106956-4

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/04/16 17:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/04/16 17:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/04/16 17:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/04/16 17:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/04/16 17:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/04/16 17:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/04/16 17:44	1
2-Hexanone	ND		5.0	1.2	ug/L			10/04/16 17:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/04/16 17:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/04/16 17:44	1
Acetone	ND		10	3.0	ug/L			10/04/16 17:44	1
Benzene	ND		1.0	0.41	ug/L			10/04/16 17:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/04/16 17:44	1
Bromoform	ND		1.0	0.26	ug/L			10/04/16 17:44	1
Bromomethane	ND		1.0	0.69	ug/L			10/04/16 17:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/04/16 17:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/04/16 17:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/04/16 17:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/04/16 17:44	1
Chloroethane	ND		1.0	0.32	ug/L			10/04/16 17:44	1
Chloroform	ND		1.0	0.34	ug/L			10/04/16 17:44	1
Chloromethane	ND		1.0	0.35	ug/L			10/04/16 17:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/04/16 17:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/04/16 17:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/04/16 17:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/04/16 17:44	1
Styrene	ND		1.0	0.73	ug/L			10/04/16 17:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/04/16 17:44	1
Toluene	ND		1.0	0.51	ug/L			10/04/16 17:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/04/16 17:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/04/16 17:44	1
Trichloroethene	ND		1.0	0.46	ug/L			10/04/16 17:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/04/16 17:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/04/16 17:44	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93			77 - 120				10/04/16 17:44	1
Toluene-d8 (Surr)	86			80 - 120				10/04/16 17:44	1
4-Bromofluorobenzene (Surr)	103			73 - 120				10/04/16 17:44	1
Dibromofluoromethane (Surr)	98			75 - 123				10/04/16 17:44	1

TestAmerica Buffalo

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-106956-1
SDG: 480-106956-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	12DCE (77-120)	TOL (80-120)	BFB (73-120)	DBFM (75-123)						
480-106956-1	Trip Blank	92	86	103	98						
480-106956-2	Influent 100316	90	89	101	95						
480-106956-3	Mixing Tank 100316	90	86	101	97						
480-106956-4	Effluent 100316	93	86	103	98						
LCS 480-323654/5	Lab Control Sample	90	88	107	94						
MB 480-323654/7	Method Blank	88	86	103	93						

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-106956-1
 SDG: 480-106956-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-323654/7

Matrix: Water

Analysis Batch: 323654

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	Dil Fac						
	Result	Qualifier		RL	MDL	Unit	D	Prepared	Analyzed
1,1,1-Trichloroethane	ND		1	1.0	0.82	ug/L		10/04/16 11:49	1
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.21	ug/L		10/04/16 11:49	1
1,1,2-Trichloroethane	ND		1	1.0	0.23	ug/L		10/04/16 11:49	1
1,1-Dichloroethane	ND		1	1.0	0.38	ug/L		10/04/16 11:49	1
1,1-Dichloroethene	ND		1	1.0	0.29	ug/L		10/04/16 11:49	1
1,2-Dichloroethane	ND		1	1.0	0.21	ug/L		10/04/16 11:49	1
1,2-Dichloropropane	ND		1	1.0	0.72	ug/L		10/04/16 11:49	1
2-Hexanone	ND		1	5.0	1.2	ug/L		10/04/16 11:49	1
2-Butanone (MEK)	ND		1	10	1.3	ug/L		10/04/16 11:49	1
4-Methyl-2-pentanone (MIBK)	ND		1	5.0	2.1	ug/L		10/04/16 11:49	1
Acetone	ND		1	10	3.0	ug/L		10/04/16 11:49	1
Benzene	ND		1	1.0	0.41	ug/L		10/04/16 11:49	1
Bromodichloromethane	ND		1	1.0	0.39	ug/L		10/04/16 11:49	1
Bromoform	ND		1	1.0	0.26	ug/L		10/04/16 11:49	1
Bromomethane	ND		1	1.0	0.69	ug/L		10/04/16 11:49	1
Carbon disulfide	ND		1	1.0	0.19	ug/L		10/04/16 11:49	1
Carbon tetrachloride	ND		1	1.0	0.27	ug/L		10/04/16 11:49	1
Chlorobenzene	ND		1	1.0	0.75	ug/L		10/04/16 11:49	1
Dibromochloromethane	ND		1	1.0	0.32	ug/L		10/04/16 11:49	1
Chloroethane	ND		1	1.0	0.32	ug/L		10/04/16 11:49	1
Chloroform	ND		1	1.0	0.34	ug/L		10/04/16 11:49	1
Chloromethane	ND		1	1.0	0.35	ug/L		10/04/16 11:49	1
cis-1,2-Dichloroethene	ND		1	1.0	0.81	ug/L		10/04/16 11:49	1
cis-1,3-Dichloropropene	ND		1	1.0	0.36	ug/L		10/04/16 11:49	1
Ethylbenzene	ND		1	1.0	0.74	ug/L		10/04/16 11:49	1
Methylene Chloride	ND		1	1.0	0.44	ug/L		10/04/16 11:49	1
Styrene	ND		1	1.0	0.73	ug/L		10/04/16 11:49	1
Tetrachloroethene	ND		1	1.0	0.36	ug/L		10/04/16 11:49	1
Toluene	ND		1	1.0	0.51	ug/L		10/04/16 11:49	1
trans-1,2-Dichloroethene	ND		1	1.0	0.90	ug/L		10/04/16 11:49	1
trans-1,3-Dichloropropene	ND		1	1.0	0.37	ug/L		10/04/16 11:49	1
Trichloroethene	ND		1	1.0	0.46	ug/L		10/04/16 11:49	1
Vinyl chloride	ND		1	1.0	0.90	ug/L		10/04/16 11:49	1
Xylenes, Total	ND		1	2.0	0.66	ug/L		10/04/16 11:49	1

Surrogate	MB	MB	Dil Fac				
	%Recovery	Qualifier		Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		1	77 - 120		10/04/16 11:49	1
Toluene-d8 (Surr)	86		1	80 - 120		10/04/16 11:49	1
4-Bromofluorobenzene (Surr)	103		1	73 - 120		10/04/16 11:49	1
Dibromofluoromethane (Surr)	93		1	75 - 123		10/04/16 11:49	1

Lab Sample ID: LCS 480-323654/5

Matrix: Water

Analysis Batch: 323654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Dil Fac	%Rec.	Limits
	Added	Result	Qualifier		%Rec	
1,1,1-Trichloroethane	25.0	25.7		1	103	73 - 126
1,1,2,2-Tetrachloroethane	25.0	21.4		1	86	76 - 120

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-106956-1
 SDG: 480-106956-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-323654/5

Matrix: Water

Analysis Batch: 323654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				
1,1,2-Trichloroethane	25.0	22.6		ug/L	90	76 - 122	
1,1-Dichloroethane	25.0	23.4		ug/L	94	77 - 120	
1,1-Dichloroethene	25.0	24.0		ug/L	96	66 - 127	
1,2-Dichloroethane	25.0	25.8		ug/L	103	75 - 120	
1,2-Dichloropropane	25.0	23.0		ug/L	92	76 - 120	
2-Hexanone	125	109		ug/L	87	65 - 127	
2-Butanone (MEK)	125	112		ug/L	89	57 - 140	
4-Methyl-2-pentanone (MIBK)	125	106		ug/L	85	71 - 125	
Acetone	125	125		ug/L	100	56 - 142	
Benzene	25.0	23.6		ug/L	94	71 - 124	
Bromodichloromethane	25.0	24.9		ug/L	99	80 - 122	
Bromoform	25.0	25.4		ug/L	102	61 - 132	
Bromomethane	25.0	30.3		ug/L	121	55 - 144	
Carbon disulfide	25.0	23.6		ug/L	94	59 - 134	
Carbon tetrachloride	25.0	26.9		ug/L	108	72 - 134	
Chlorobenzene	25.0	23.7		ug/L	95	80 - 120	
Dibromochloromethane	25.0	24.6		ug/L	98	75 - 125	
Chloroethane	25.0	26.0		ug/L	104	69 - 136	
Chloroform	25.0	24.7		ug/L	99	73 - 127	
Chloromethane	25.0	22.1		ug/L	88	68 - 124	
cis-1,2-Dichloroethene	25.0	24.4		ug/L	98	74 - 124	
cis-1,3-Dichloropropene	25.0	23.8		ug/L	95	74 - 124	
Ethylbenzene	25.0	23.5		ug/L	94	77 - 123	
Methylene Chloride	25.0	24.6		ug/L	98	75 - 124	
Styrene	25.0	23.2		ug/L	93	80 - 120	
Tetrachloroethene	25.0	24.0		ug/L	96	74 - 122	
Toluene	25.0	22.6		ug/L	90	80 - 122	
trans-1,2-Dichloroethene	25.0	24.2		ug/L	97	73 - 127	
trans-1,3-Dichloropropene	25.0	23.3		ug/L	93	80 - 120	
Trichloroethene	25.0	23.9		ug/L	95	74 - 123	
Vinyl chloride	25.0	22.7		ug/L	91	65 - 133	
Xylenes, Total	50.0	46.3		ug/L	93	76 - 122	

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	90		77 - 120
Toluene-d8 (Surr)	88		80 - 120
4-Bromofluorobenzene (Surr)	107		73 - 120
Dibromofluoromethane (Surr)	94		75 - 123

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-106956-1
SDG: 480-106956-1

GC/MS VOA

Analysis Batch: 323654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-106956-1	Trip Blank	Total/NA	Water	8260C	
480-106956-2	Influent 100316	Total/NA	Water	8260C	
480-106956-3	Mixing Tank 100316	Total/NA	Water	8260C	
480-106956-4	Effluent 100316	Total/NA	Water	8260C	
MB 480-323654/7	Method Blank	Total/NA	Water	8260C	
LCS 480-323654/5	Lab Control Sample	Total/NA	Water	8260C	

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-106956-1
SDG: 480-106956-1

Client Sample ID: Trip Blank

Date Collected: 10/03/16 00:00
Date Received: 10/04/16 10:00

Lab Sample ID: 480-106956-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323654	10/04/16 19:05	SMY	TAL BUF

Client Sample ID: Influent 100316

Date Collected: 10/03/16 05:30
Date Received: 10/04/16 10:00

Lab Sample ID: 480-106956-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	323654	10/04/16 18:38	SMY	TAL BUF

Client Sample ID: Mixing Tank 100316

Date Collected: 10/03/16 05:24
Date Received: 10/04/16 10:00

Lab Sample ID: 480-106956-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323654	10/04/16 18:11	SMY	TAL BUF

Client Sample ID: Effluent 100316

Date Collected: 10/03/16 05:20
Date Received: 10/04/16 10:00

Lab Sample ID: 480-106956-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323654	10/04/16 17:44	SMY	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-106956-1
 SDG: 480-106956-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17
Georgia	State Program	4	956	03-31-17
Illinois	NELAP	5	200003	09-30-16 *
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	10-31-16
Kentucky (DW)	State Program	4	90029	12-31-16
Kentucky (UST)	State Program	4	30	03-31-17
Kentucky (WW)	State Program	4	90029	12-31-16
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-17
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17
Minnesota	NELAP	5	036-999-337	12-31-16
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-16
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17
North Dakota	State Program	8	R-176	03-31-17
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-16
Tennessee	State Program	4	TN02970	03-31-17
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-17
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

TestAmerica Buffalo

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-106956-1
SDG: 480-106956-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-106956-1
SDG: 480-106956-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-106956-1	Trip Blank	Water	10/03/16 00:00	10/04/16 10:00
480-106956-2	Influent 100316	Water	10/03/16 05:30	10/04/16 10:00
480-106956-3	Mixing Tank 100316	Water	10/03/16 05:24	10/04/16 10:00
480-106956-4	Effluent 100316	Water	10/03/16 05:20	10/04/16 10:00

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

18003453

Chain of Custody Record

TestAmerica

TAL-4124 (1007)

Temperature on Receipt _____

Drinking Water? Yes No

THE LEADER IN ENVIRONMENTAL TESTING

Client O'Brien & Gene	Project Manager John Givannetti	Date 10-3-16	Chain of Custody Number 291095																																				
Address 8805 Government Hill Dr	Telephone Number (Area Code/Fax Number) 856-661-9265	Lab Number 480-106956 COC	Page 1 of 1																																				
City Cincinnati	Site Contact John Schave	Analysis (Attach list if more space is needed)																																					
Project Name and Location (State) GE - TRM Ohio	Carrier/Receiving Number 11511127	Special Instructions/ Conditions of Receipt																																					
<table border="1"> <thead> <tr> <th>Sample I.D. No. and Description (Containers for each sample may be combined on one line)</th> <th>Date</th> <th>Time</th> <th>Matrix</th> <th>Containers & Preservatives</th> </tr> </thead> <tbody> <tr> <td>Blank</td> <td>10-3-16</td> <td>X</td> <td>Air</td> <td></td> </tr> <tr> <td>Influent 100316</td> <td>5:30</td> <td>X</td> <td>ZnCl2</td> <td>H2SO4</td> </tr> <tr> <td>Mixing Tank 100316</td> <td>5:24</td> <td>X</td> <td>NaOH</td> <td>NaOH</td> </tr> <tr> <td>Effluent 100316</td> <td>5:20</td> <td>X</td> <td>HCl</td> <td>HNO3</td> </tr> </tbody> </table>				Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix	Containers & Preservatives	Blank	10-3-16	X	Air		Influent 100316	5:30	X	ZnCl2	H2SO4	Mixing Tank 100316	5:24	X	NaOH	NaOH	Effluent 100316	5:20	X	HCl	HNO3											
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix	Containers & Preservatives																																			
Blank	10-3-16	X	Air																																				
Influent 100316	5:30	X	ZnCl2	H2SO4																																			
Mixing Tank 100316	5:24	X	NaOH	NaOH																																			
Effluent 100316	5:20	X	HCl	HNO3																																			
<table border="1"> <thead> <tr> <th>Possible Hazard Identification</th> <th>Non-Hazard</th> <th>Flammable</th> <th>Skin Irritant</th> <th>Poison A</th> <th>Poison B</th> <th>Unknown</th> <th>Other</th> <th>Sample Disposal</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/> Return To Client</td> </tr> <tr> <td colspan="8">Turn Around Time Required</td> <td><input type="checkbox"/> Disposal By Lab</td> </tr> <tr> <td colspan="8"><input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input checked="" type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other</td> <td><input type="checkbox"/> Archive For _____ Months</td> </tr> </tbody> </table>				Possible Hazard Identification	Non-Hazard	Flammable	Skin Irritant	Poison A	Poison B	Unknown	Other	Sample Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/> Return To Client	Turn Around Time Required								<input type="checkbox"/> Disposal By Lab	<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input checked="" type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other								<input type="checkbox"/> Archive For _____ Months							
Possible Hazard Identification	Non-Hazard	Flammable	Skin Irritant	Poison A	Poison B	Unknown	Other	Sample Disposal																															
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Return To Client																															
Turn Around Time Required								<input type="checkbox"/> Disposal By Lab																															
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input checked="" type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other								<input type="checkbox"/> Archive For _____ Months																															
<p>1. Relinquished By <u>John Givannetti</u></p> <p>2. Received By <u>John Givannetti</u></p> <p>3. Received By <u>John Givannetti</u></p>																																							

Possible Hazard Identification	<input checked="" type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison A	<input type="checkbox"/> Poison B	<input type="checkbox"/> Unknown	QC Requirements (Specify)	
Turn Around Time Required	<input type="checkbox"/> 24 Hours	<input type="checkbox"/> 48 Hours	<input type="checkbox"/> 7 Days	<input checked="" type="checkbox"/> 14 Days	<input type="checkbox"/> 21 Days	<input type="checkbox"/> Other		
1. Relinquished By	Date 10-3-16	Time 8:31 AM	1. Relinquished By <u>John Givannetti</u>	Date 10-3-16	Time 8:31 AM	1. Received By <u>John Givannetti</u>	Date 10-3-16	Time 8:19 AM
2. Received By	Date 10-3-16	Time 9:35 AM	2. Received By <u>John Givannetti</u>	Date 10-4-16	Time 10:22 AM	2. Received By <u>John Givannetti</u>	Date 10-4-16	Time 10:22 AM
3. Received By	Date 10-7-16	Time Comments 3-1-16	3. Received By <u>John Givannetti</u>	Date 10-7-16	Time Comments 3-1-16	3. Received By <u>John Givannetti</u>	Date 10-7-16	Time Comments 3-1-16



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America Job Number: 480-106956-1
SDG Number: 480-106956-1

Login Number: 106956

List Number: 1

Creator: Janish, Carl M

List Source: TestAmerica Buffalo

Question	Answer	Comment	
Radioactivity either was not measured or, if measured, is at or below background	True		1
The cooler's custody seal, if present, is intact.	True		2
The cooler or samples do not appear to have been compromised or tampered with.	True		3
Samples were received on ice.	True		4
Cooler Temperature is acceptable.	True		5
Cooler Temperature is recorded.	True		6
COC is present.	True		7
COC is filled out in ink and legible.	True		8
COC is filled out with all pertinent information.	True		9
Is the Field Sampler's name present on COC?	True		10
There are no discrepancies between the sample IDs on the containers and the COC.	True		11
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True		12
Sample containers have legible labels.	True		13
Containers are not broken or leaking.	True		14
Sample collection date/times are provided.	True		15
Appropriate sample containers are used.	True		
Sample bottles are completely filled.	True		
Sample Preservation Verified	True		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True		
If necessary, staff have been informed of any short hold time or quick TAT needs	True		
Multiphasic samples are not present.	True		
Samples do not require splitting or compositing.	True		
Sampling Company provided.	True	obg	
Samples received within 48 hours of sampling.	True		
Samples requiring field filtration have been filtered in the field.	N/A		
Chlorine Residual checked.	N/A		

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-107843-1

TestAmerica Sample Delivery Group: 480-106956-1

Client Project/Site: GE - IRM

For:

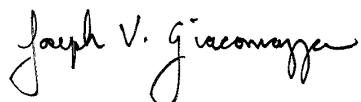
O'Brien & Gere Inc of North America

8805 Governor's Hill Dr.

Ste. 164

Cincinnati, Ohio 45249

Attn: Chase Forman



Authorized for release by:

10/27/2016 4:04:34 PM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?

Ask
The
Expert

Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
Surrogate Summary	10
QC Sample Results	11
QC Association Summary	13
Lab Chronicle	14
Certification Summary	15
Method Summary	16
Sample Summary	17
Chain of Custody	18
Receipt Checklists	19

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-107843-1
SDG: 480-106956-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-107843-1
SDG: 480-106956-1

Job ID: 480-107843-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-107843-1

Receipt

The samples were received on 10/18/2016 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8° C.

GC/MS VOA

Method(s) 8260C: The sample was collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, when verified by the laboratory, the pH was greater than 2 and the following samples were analyzed after 7 days from sampling: Influent 101716 (480-107843-2), Mixing Tank 101716 (480-107843-3) and Effluent 101716 (480-107843-4).

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent 101716 (480-107843-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-107843-1
 SDG: 480-106956-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-107843-1

No Detections.

Client Sample ID: Influent 101716

Lab Sample ID: 480-107843-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	33		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	6.7		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	2.4		2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	37		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	4.4		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	88		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	12		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: Mixing Tank 101716

Lab Sample ID: 480-107843-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	26		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	4.8		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.9		1.0	0.29	ug/L	1		8260C	Total/NA
Chloroform	0.38	J	1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	30		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	3.6		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	75		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	6.1		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: Effluent 101716

Lab Sample ID: 480-107843-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.1	J	10	3.0	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-107843-1
SDG: 480-106956-1

Client Sample ID: Trip Blank

Date Collected: 10/17/16 00:00

Date Received: 10/18/16 09:30

Lab Sample ID: 480-107843-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/26/16 12:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/26/16 12:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/26/16 12:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/26/16 12:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/26/16 12:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/26/16 12:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/26/16 12:28	1
2-Hexanone	ND		5.0	1.2	ug/L			10/26/16 12:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/26/16 12:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/26/16 12:28	1
Acetone	ND		10	3.0	ug/L			10/26/16 12:28	1
Benzene	ND		1.0	0.41	ug/L			10/26/16 12:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/26/16 12:28	1
Bromoform	ND		1.0	0.26	ug/L			10/26/16 12:28	1
Bromomethane	ND		1.0	0.69	ug/L			10/26/16 12:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/26/16 12:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/26/16 12:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/26/16 12:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/26/16 12:28	1
Chloroethane	ND		1.0	0.32	ug/L			10/26/16 12:28	1
Chloroform	ND		1.0	0.34	ug/L			10/26/16 12:28	1
Chloromethane	ND		1.0	0.35	ug/L			10/26/16 12:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/26/16 12:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/26/16 12:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/26/16 12:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/26/16 12:28	1
Styrene	ND		1.0	0.73	ug/L			10/26/16 12:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/26/16 12:28	1
Toluene	ND		1.0	0.51	ug/L			10/26/16 12:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/26/16 12:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/26/16 12:28	1
Trichloroethene	ND		1.0	0.46	ug/L			10/26/16 12:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/26/16 12:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/26/16 12:28	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105			77 - 120				10/26/16 12:28	1
Toluene-d8 (Surr)	101			80 - 120				10/26/16 12:28	1
4-Bromofluorobenzene (Surr)	90			73 - 120				10/26/16 12:28	1
Dibromofluoromethane (Surr)	111			75 - 123				10/26/16 12:28	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-107843-1
 SDG: 480-106956-1

Client Sample ID: Influent 101716

Date Collected: 10/17/16 10:42

Date Received: 10/18/16 09:30

Lab Sample ID: 480-107843-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	33		2.0	1.6	ug/L			10/26/16 13:37	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/26/16 13:37	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/26/16 13:37	2
1,1-Dichloroethane	6.7		2.0	0.76	ug/L			10/26/16 13:37	2
1,1-Dichloroethene	2.4		2.0	0.58	ug/L			10/26/16 13:37	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/26/16 13:37	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/26/16 13:37	2
2-Hexanone	ND		10	2.5	ug/L			10/26/16 13:37	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/26/16 13:37	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			10/26/16 13:37	2
Acetone	ND		20	6.0	ug/L			10/26/16 13:37	2
Benzene	ND		2.0	0.82	ug/L			10/26/16 13:37	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/26/16 13:37	2
Bromoform	ND		2.0	0.52	ug/L			10/26/16 13:37	2
Bromomethane	ND		2.0	1.4	ug/L			10/26/16 13:37	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/26/16 13:37	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/26/16 13:37	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/26/16 13:37	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/26/16 13:37	2
Chloroethane	ND		2.0	0.64	ug/L			10/26/16 13:37	2
Chloroform	ND		2.0	0.68	ug/L			10/26/16 13:37	2
Chloromethane	ND		2.0	0.70	ug/L			10/26/16 13:37	2
cis-1,2-Dichloroethene	37		2.0	1.6	ug/L			10/26/16 13:37	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/26/16 13:37	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/26/16 13:37	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/26/16 13:37	2
Styrene	ND		2.0	1.5	ug/L			10/26/16 13:37	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/26/16 13:37	2
Toluene	ND		2.0	1.0	ug/L			10/26/16 13:37	2
trans-1,2-Dichloroethene	4.4		2.0	1.8	ug/L			10/26/16 13:37	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/26/16 13:37	2
Trichloroethene	88		2.0	0.92	ug/L			10/26/16 13:37	2
Vinyl chloride	12		2.0	1.8	ug/L			10/26/16 13:37	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/26/16 13:37	2
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	107		77 - 120				10/26/16 13:37	2	
Toluene-d8 (Surr)	98		80 - 120				10/26/16 13:37	2	
4-Bromofluorobenzene (Surr)	90		73 - 120				10/26/16 13:37	2	
Dibromofluoromethane (Surr)	113		75 - 123				10/26/16 13:37	2	

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-107843-1
 SDG: 480-106956-1

Client Sample ID: Mixing Tank 101716

Lab Sample ID: 480-107843-3

Matrix: Water

Date Collected: 10/17/16 10:38
 Date Received: 10/18/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	26		1.0	0.82	ug/L			10/26/16 13:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/26/16 13:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/26/16 13:14	1
1,1-Dichloroethane	4.8		1.0	0.38	ug/L			10/26/16 13:14	1
1,1-Dichloroethene	1.9		1.0	0.29	ug/L			10/26/16 13:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/26/16 13:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/26/16 13:14	1
2-Hexanone	ND		5.0	1.2	ug/L			10/26/16 13:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/26/16 13:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/26/16 13:14	1
Acetone	ND		10	3.0	ug/L			10/26/16 13:14	1
Benzene	ND		1.0	0.41	ug/L			10/26/16 13:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/26/16 13:14	1
Bromoform	ND		1.0	0.26	ug/L			10/26/16 13:14	1
Bromomethane	ND		1.0	0.69	ug/L			10/26/16 13:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/26/16 13:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/26/16 13:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/26/16 13:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/26/16 13:14	1
Chloroethane	ND		1.0	0.32	ug/L			10/26/16 13:14	1
Chloroform	0.38 J		1.0	0.34	ug/L			10/26/16 13:14	1
Chloromethane	ND		1.0	0.35	ug/L			10/26/16 13:14	1
cis-1,2-Dichloroethene	30		1.0	0.81	ug/L			10/26/16 13:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/26/16 13:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/26/16 13:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/26/16 13:14	1
Styrene	ND		1.0	0.73	ug/L			10/26/16 13:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/26/16 13:14	1
Toluene	ND		1.0	0.51	ug/L			10/26/16 13:14	1
trans-1,2-Dichloroethene	3.6		1.0	0.90	ug/L			10/26/16 13:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/26/16 13:14	1
Trichloroethene	75		1.0	0.46	ug/L			10/26/16 13:14	1
Vinyl chloride	6.1		1.0	0.90	ug/L			10/26/16 13:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/26/16 13:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		10/26/16 13:14	1
Toluene-d8 (Surr)	100		80 - 120		10/26/16 13:14	1
4-Bromofluorobenzene (Surr)	89		73 - 120		10/26/16 13:14	1
Dibromofluoromethane (Surr)	106		75 - 123		10/26/16 13:14	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-107843-1
 SDG: 480-106956-1

Client Sample ID: Effluent 101716

Date Collected: 10/17/16 10:32
 Date Received: 10/18/16 09:30

Lab Sample ID: 480-107843-4

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/26/16 12:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/26/16 12:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/26/16 12:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/26/16 12:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/26/16 12:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/26/16 12:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/26/16 12:51	1
2-Hexanone	ND		5.0	1.2	ug/L			10/26/16 12:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/26/16 12:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/26/16 12:51	1
Acetone	5.1 J		10	3.0	ug/L			10/26/16 12:51	1
Benzene	ND		1.0	0.41	ug/L			10/26/16 12:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/26/16 12:51	1
Bromoform	ND		1.0	0.26	ug/L			10/26/16 12:51	1
Bromomethane	ND		1.0	0.69	ug/L			10/26/16 12:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/26/16 12:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/26/16 12:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/26/16 12:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/26/16 12:51	1
Chloroethane	ND		1.0	0.32	ug/L			10/26/16 12:51	1
Chloroform	ND		1.0	0.34	ug/L			10/26/16 12:51	1
Chloromethane	ND		1.0	0.35	ug/L			10/26/16 12:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/26/16 12:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/26/16 12:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/26/16 12:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/26/16 12:51	1
Styrene	ND		1.0	0.73	ug/L			10/26/16 12:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/26/16 12:51	1
Toluene	ND		1.0	0.51	ug/L			10/26/16 12:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/26/16 12:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/26/16 12:51	1
Trichloroethene	ND		1.0	0.46	ug/L			10/26/16 12:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/26/16 12:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/26/16 12:51	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103			77 - 120				10/26/16 12:51	1
Toluene-d8 (Surr)	98			80 - 120				10/26/16 12:51	1
4-Bromofluorobenzene (Surr)	88			73 - 120				10/26/16 12:51	1
Dibromofluoromethane (Surr)	108			75 - 123				10/26/16 12:51	1

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-107843-1
SDG: 480-106956-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	12DCE (77-120)	TOL (80-120)	BFB (73-120)	DBFM (75-123)				
480-107843-1	Trip Blank	105	101	90	111				
480-107843-2	Influent 101716	107	98	90	113				
480-107843-3	Mixing Tank 101716	102	100	89	106				
480-107843-4	Effluent 101716	103	98	88	108				
LCS 480-327747/4	Lab Control Sample	99	105	96	104				
MB 480-327747/6	Method Blank	105	101	91	107				

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-107843-1
SDG: 480-106956-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-327747/6

Matrix: Water

Analysis Batch: 327747

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	Dil Fac						
	Result	Qualifier		RL	MDL	Unit	D	Prepared	Analyzed
1,1,1-Trichloroethane	ND		1	1.0	0.82	ug/L		10/26/16 11:52	1
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.21	ug/L		10/26/16 11:52	1
1,1,2-Trichloroethane	ND		1	1.0	0.23	ug/L		10/26/16 11:52	1
1,1-Dichloroethane	ND		1	1.0	0.38	ug/L		10/26/16 11:52	1
1,1-Dichloroethene	ND		1	1.0	0.29	ug/L		10/26/16 11:52	1
1,2-Dichloroethane	ND		1	1.0	0.21	ug/L		10/26/16 11:52	1
1,2-Dichloropropane	ND		1	1.0	0.72	ug/L		10/26/16 11:52	1
2-Hexanone	ND		1	5.0	1.2	ug/L		10/26/16 11:52	1
2-Butanone (MEK)	ND		1	10	1.3	ug/L		10/26/16 11:52	1
4-Methyl-2-pentanone (MIBK)	ND		1	5.0	2.1	ug/L		10/26/16 11:52	1
Acetone	ND		1	10	3.0	ug/L		10/26/16 11:52	1
Benzene	ND		1	1.0	0.41	ug/L		10/26/16 11:52	1
Bromodichloromethane	ND		1	1.0	0.39	ug/L		10/26/16 11:52	1
Bromoform	ND		1	1.0	0.26	ug/L		10/26/16 11:52	1
Bromomethane	ND		1	1.0	0.69	ug/L		10/26/16 11:52	1
Carbon disulfide	ND		1	1.0	0.19	ug/L		10/26/16 11:52	1
Carbon tetrachloride	ND		1	1.0	0.27	ug/L		10/26/16 11:52	1
Chlorobenzene	ND		1	1.0	0.75	ug/L		10/26/16 11:52	1
Dibromochloromethane	ND		1	1.0	0.32	ug/L		10/26/16 11:52	1
Chloroethane	ND		1	1.0	0.32	ug/L		10/26/16 11:52	1
Chloroform	ND		1	1.0	0.34	ug/L		10/26/16 11:52	1
Chloromethane	ND		1	1.0	0.35	ug/L		10/26/16 11:52	1
cis-1,2-Dichloroethene	ND		1	1.0	0.81	ug/L		10/26/16 11:52	1
cis-1,3-Dichloropropene	ND		1	1.0	0.36	ug/L		10/26/16 11:52	1
Ethylbenzene	ND		1	1.0	0.74	ug/L		10/26/16 11:52	1
Methylene Chloride	ND		1	1.0	0.44	ug/L		10/26/16 11:52	1
Styrene	ND		1	1.0	0.73	ug/L		10/26/16 11:52	1
Tetrachloroethene	ND		1	1.0	0.36	ug/L		10/26/16 11:52	1
Toluene	ND		1	1.0	0.51	ug/L		10/26/16 11:52	1
trans-1,2-Dichloroethene	ND		1	1.0	0.90	ug/L		10/26/16 11:52	1
trans-1,3-Dichloropropene	ND		1	1.0	0.37	ug/L		10/26/16 11:52	1
Trichloroethene	ND		1	1.0	0.46	ug/L		10/26/16 11:52	1
Vinyl chloride	ND		1	1.0	0.90	ug/L		10/26/16 11:52	1
Xylenes, Total	ND		1	2.0	0.66	ug/L		10/26/16 11:52	1

Surrogate	MB	MB	Dil Fac				
	%Recovery	Qualifier		Limits	Prepared	Analyzed	
1,2-Dichloroethane-d4 (Surr)	105		1	77 - 120		10/26/16 11:52	
Toluene-d8 (Surr)	101		1	80 - 120		10/26/16 11:52	
4-Bromofluorobenzene (Surr)	91		1	73 - 120		10/26/16 11:52	
Dibromofluoromethane (Surr)	107		1	75 - 123		10/26/16 11:52	

Lab Sample ID: LCS 480-327747/4

Matrix: Water

Analysis Batch: 327747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Dil Fac	%Rec.	Limits
	Added	Result	Qualifier		Unit	
1,1,1-Trichloroethane	25.0	26.1		1	104	73 - 126
1,1,2,2-Tetrachloroethane	25.0	21.7		1	87	76 - 120

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-107843-1
 SDG: 480-106956-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-327747/4

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 327747

Analyte	Spike	LCS		Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				
1,1,2-Trichloroethane	25.0	24.3		ug/L	97	76 - 122	
1,1-Dichloroethane	25.0	25.3		ug/L	101	77 - 120	
1,1-Dichloroethene	25.0	20.6		ug/L	83	66 - 127	
1,2-Dichloroethane	25.0	23.6		ug/L	94	75 - 120	
1,2-Dichloropropane	25.0	25.0		ug/L	100	76 - 120	
2-Hexanone	125	103		ug/L	82	65 - 127	
2-Butanone (MEK)	125	108		ug/L	86	57 - 140	
4-Methyl-2-pentanone (MIBK)	125	104		ug/L	84	71 - 125	
Acetone	125	128		ug/L	103	56 - 142	
Benzene	25.0	24.4		ug/L	97	71 - 124	
Bromodichloromethane	25.0	25.2		ug/L	101	80 - 122	
Bromoform	25.0	24.8		ug/L	99	61 - 132	
Bromomethane	25.0	20.2		ug/L	81	55 - 144	
Carbon disulfide	25.0	22.4		ug/L	90	59 - 134	
Carbon tetrachloride	25.0	25.6		ug/L	102	72 - 134	
Chlorobenzene	25.0	24.8		ug/L	99	80 - 120	
Dibromochloromethane	25.0	27.9		ug/L	111	75 - 125	
Chloroethane	25.0	21.2		ug/L	85	69 - 136	
Chloroform	25.0	23.6		ug/L	94	73 - 127	
Chloromethane	25.0	21.1		ug/L	84	68 - 124	
cis-1,2-Dichloroethene	25.0	24.6		ug/L	99	74 - 124	
cis-1,3-Dichloropropene	25.0	24.2		ug/L	97	74 - 124	
Ethylbenzene	25.0	23.0		ug/L	92	77 - 123	
Methylene Chloride	25.0	23.3		ug/L	93	75 - 124	
Styrene	25.0	23.4		ug/L	94	80 - 120	
Tetrachloroethene	25.0	24.6		ug/L	99	74 - 122	
Toluene	25.0	24.1		ug/L	96	80 - 122	
trans-1,2-Dichloroethene	25.0	24.9		ug/L	100	73 - 127	
trans-1,3-Dichloropropene	25.0	25.4		ug/L	102	80 - 120	
Trichloroethene	25.0	22.3		ug/L	89	74 - 123	
Vinyl chloride	25.0	20.4		ug/L	82	65 - 133	
Xylenes, Total	50.0	46.4		ug/L	93	76 - 122	

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	99		77 - 120
Toluene-d8 (Surr)	105		80 - 120
4-Bromofluorobenzene (Surr)	96		73 - 120
Dibromofluoromethane (Surr)	104		75 - 123

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-107843-1
SDG: 480-106956-1

GC/MS VOA

Analysis Batch: 327747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107843-1	Trip Blank	Total/NA	Water	8260C	
480-107843-2	Influent 101716	Total/NA	Water	8260C	
480-107843-3	Mixing Tank 101716	Total/NA	Water	8260C	
480-107843-4	Effluent 101716	Total/NA	Water	8260C	
MB 480-327747/6	Method Blank	Total/NA	Water	8260C	
LCS 480-327747/4	Lab Control Sample	Total/NA	Water	8260C	

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-107843-1
SDG: 480-106956-1

Client Sample ID: Trip Blank

Date Collected: 10/17/16 00:00
Date Received: 10/18/16 09:30

Lab Sample ID: 480-107843-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	327747	10/26/16 12:28	SWO	TAL BUF

Client Sample ID: Influent 101716

Date Collected: 10/17/16 10:42
Date Received: 10/18/16 09:30

Lab Sample ID: 480-107843-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	327747	10/26/16 13:37	SWO	TAL BUF

Client Sample ID: Mixing Tank 101716

Date Collected: 10/17/16 10:38
Date Received: 10/18/16 09:30

Lab Sample ID: 480-107843-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	327747	10/26/16 13:14	SWO	TAL BUF

Client Sample ID: Effluent 101716

Date Collected: 10/17/16 10:32
Date Received: 10/18/16 09:30

Lab Sample ID: 480-107843-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	327747	10/26/16 12:51	SWO	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-107843-1
 SDG: 480-106956-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17
Georgia	State Program	4	956	03-31-17
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	10-31-16
Kentucky (DW)	State Program	4	90029	12-31-16
Kentucky (UST)	State Program	4	30	03-31-17
Kentucky (WW)	State Program	4	90029	12-31-16
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-17
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17
Minnesota	NELAP	5	036-999-337	12-31-16
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-16
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17
North Dakota	State Program	8	R-176	03-31-17
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-16
Tennessee	State Program	4	TN02970	03-31-17
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-17
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

TestAmerica Buffalo

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-107843-1
SDG: 480-106956-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-107843-1
SDG: 480-106956-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-107843-1	Trip Blank	Water	10/17/16 00:00	10/18/16 09:30
480-107843-2	Influent 101716	Water	10/17/16 10:42	10/18/16 09:30
480-107843-3	Mixing Tank 101716	Water	10/17/16 10:38	10/18/16 09:30
480-107843-4	Effluent 101716	Water	10/17/16 10:32	10/18/16 09:30

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America
Job Number: 480-107843-1
SDG Number: 480-106956-1

Login Number: 107843

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	obg
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-108856-1

TestAmerica Sample Delivery Group: 480-108856-1

Client Project/Site: GE - IRM

For:

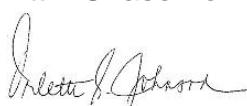
O'Brien & Gere Inc of North America

8805 Governor's Hill Dr.

Ste. 164

Cincinnati, Ohio 45249

Attn: Chase Forman



Authorized for release by:

11/20/2016 6:27:39 AM

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?

Ask
The
Expert

Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
Surrogate Summary	10
QC Sample Results	11
QC Association Summary	15
Lab Chronicle	16
Certification Summary	17
Method Summary	18
Sample Summary	19
Chain of Custody	20
Receipt Checklists	21

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-108856-1
SDG: 480-108856-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation

These commonly used abbreviations may or may not be present in this report.

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-108856-1
SDG: 480-108856-1

Job ID: 480-108856-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-108856-1

Receipt

The samples were received on 11/2/2016 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8° C.

GC/MS VOA

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent 110116 (480-108856-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The sample was collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, when verified by the laboratory, the pH was greater than 2 and the following sample was analyzed after 7 days from sampling: Mixing Tank 110116 (480-108856-3).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-331308 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are affected: Influent 110116 (480-108856-2), Mixing Tank 110116 (480-108856-3) and Effluent 110116 (480-108856-4).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-331354 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated sample was non-detect for this analyte, the data has been reported for the affected samples Trip Blank (480-108856-1).

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in batch 480-331354 was outside the method criteria for the following analyte: Acetone. A CCV standard at or below the reporting limit (RL) was analyzed with the affected sample and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. The following sample is impacted: Trip Blank (480-108856-1).

Method(s) 8260C: The Laboratory Control Sample (LCS) for analytical batch 331354 was outside laboratory/project quality control limits for the following analyte: Acetone. All other spike recoveries and quality control indicators, including sample specific surrogate recoveries, were acceptable. Reanalysis was not performed due to holding time limitations. The following sample is impacted: Trip Blank (480-108856-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108856-1
 SDG: 480-108856-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-108856-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12	*	10	3.0	ug/L	1		8260C	Total/NA
Carbon disulfide	0.36	J	1.0	0.19	ug/L	1		8260C	Total/NA

Client Sample ID: Influent 110116

Lab Sample ID: 480-108856-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	34		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	6.8		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	2.2		2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	44		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	6.7		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	110		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	5.2		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: Mixing Tank 110116

Lab Sample ID: 480-108856-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	33		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	6.4		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.9		1.0	0.29	ug/L	1		8260C	Total/NA
Acetone	11		10	3.0	ug/L	1		8260C	Total/NA
Chloroform	0.47	J	1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	35		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.44	J	1.0	0.36	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	2.1		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	98		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	0.93	J	1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: Effluent 110116

Lab Sample ID: 480-108856-4

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108856-1
 SDG: 480-108856-1

Client Sample ID: Trip Blank

Date Collected: 11/01/16 00:00

Date Received: 11/02/16 09:30

Lab Sample ID: 480-108856-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/13/16 22:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/13/16 22:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/13/16 22:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/13/16 22:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/13/16 22:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/13/16 22:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/13/16 22:23	1
2-Hexanone	ND		5.0	1.2	ug/L			11/13/16 22:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/13/16 22:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/13/16 22:23	1
Acetone	12 *		10	3.0	ug/L			11/13/16 22:23	1
Benzene	ND		1.0	0.41	ug/L			11/13/16 22:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/13/16 22:23	1
Bromoform	ND		1.0	0.26	ug/L			11/13/16 22:23	1
Bromomethane	ND		1.0	0.69	ug/L			11/13/16 22:23	1
Carbon disulfide	0.36 J		1.0	0.19	ug/L			11/13/16 22:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/13/16 22:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/13/16 22:23	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/13/16 22:23	1
Chloroethane	ND		1.0	0.32	ug/L			11/13/16 22:23	1
Chloroform	ND		1.0	0.34	ug/L			11/13/16 22:23	1
Chloromethane	ND		1.0	0.35	ug/L			11/13/16 22:23	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/13/16 22:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/13/16 22:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/13/16 22:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/13/16 22:23	1
Styrene	ND		1.0	0.73	ug/L			11/13/16 22:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/13/16 22:23	1
Toluene	ND		1.0	0.51	ug/L			11/13/16 22:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/13/16 22:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/13/16 22:23	1
Trichloroethene	ND		1.0	0.46	ug/L			11/13/16 22:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/13/16 22:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/13/16 22:23	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100			77 - 120				11/13/16 22:23	1
Toluene-d8 (Surr)	96			80 - 120				11/13/16 22:23	1
4-Bromofluorobenzene (Surr)	102			73 - 120				11/13/16 22:23	1
Dibromofluoromethane (Surr)	104			75 - 123				11/13/16 22:23	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108856-1
 SDG: 480-108856-1

Client Sample ID: Influent 110116

Date Collected: 11/01/16 09:35
 Date Received: 11/02/16 09:30

Lab Sample ID: 480-108856-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	34		2.0	1.6	ug/L			11/13/16 12:35	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			11/13/16 12:35	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			11/13/16 12:35	2
1,1-Dichloroethane	6.8		2.0	0.76	ug/L			11/13/16 12:35	2
1,1-Dichloroethene	2.2		2.0	0.58	ug/L			11/13/16 12:35	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			11/13/16 12:35	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			11/13/16 12:35	2
2-Hexanone	ND		10	2.5	ug/L			11/13/16 12:35	2
2-Butanone (MEK)	ND		20	2.6	ug/L			11/13/16 12:35	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			11/13/16 12:35	2
Acetone	ND		20	6.0	ug/L			11/13/16 12:35	2
Benzene	ND		2.0	0.82	ug/L			11/13/16 12:35	2
Bromodichloromethane	ND		2.0	0.78	ug/L			11/13/16 12:35	2
Bromoform	ND		2.0	0.52	ug/L			11/13/16 12:35	2
Bromomethane	ND		2.0	1.4	ug/L			11/13/16 12:35	2
Carbon disulfide	ND		2.0	0.38	ug/L			11/13/16 12:35	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			11/13/16 12:35	2
Chlorobenzene	ND		2.0	1.5	ug/L			11/13/16 12:35	2
Dibromochloromethane	ND		2.0	0.64	ug/L			11/13/16 12:35	2
Chloroethane	ND		2.0	0.64	ug/L			11/13/16 12:35	2
Chloroform	ND		2.0	0.68	ug/L			11/13/16 12:35	2
Chloromethane	ND		2.0	0.70	ug/L			11/13/16 12:35	2
cis-1,2-Dichloroethene	44		2.0	1.6	ug/L			11/13/16 12:35	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			11/13/16 12:35	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/13/16 12:35	2
Methylene Chloride	ND		2.0	0.88	ug/L			11/13/16 12:35	2
Styrene	ND		2.0	1.5	ug/L			11/13/16 12:35	2
Tetrachloroethene	ND		2.0	0.72	ug/L			11/13/16 12:35	2
Toluene	ND		2.0	1.0	ug/L			11/13/16 12:35	2
trans-1,2-Dichloroethene	6.7		2.0	1.8	ug/L			11/13/16 12:35	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			11/13/16 12:35	2
Trichloroethene	110		2.0	0.92	ug/L			11/13/16 12:35	2
Vinyl chloride	5.2		2.0	1.8	ug/L			11/13/16 12:35	2
Xylenes, Total	ND		4.0	1.3	ug/L			11/13/16 12:35	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		11/13/16 12:35	2
Toluene-d8 (Surr)	99		80 - 120		11/13/16 12:35	2
4-Bromofluorobenzene (Surr)	110		73 - 120		11/13/16 12:35	2
Dibromofluoromethane (Surr)	111		75 - 123		11/13/16 12:35	2

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108856-1
 SDG: 480-108856-1

Client Sample ID: Mixing Tank 110116

Lab Sample ID: 480-108856-3

Matrix: Water

Date Collected: 11/01/16 09:33
 Date Received: 11/02/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	33		1.0	0.82	ug/L			11/13/16 12:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/13/16 12:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/13/16 12:11	1
1,1-Dichloroethane	6.4		1.0	0.38	ug/L			11/13/16 12:11	1
1,1-Dichloroethene	1.9		1.0	0.29	ug/L			11/13/16 12:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/13/16 12:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/13/16 12:11	1
2-Hexanone	ND		5.0	1.2	ug/L			11/13/16 12:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/13/16 12:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/13/16 12:11	1
Acetone	11		10	3.0	ug/L			11/13/16 12:11	1
Benzene	ND		1.0	0.41	ug/L			11/13/16 12:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/13/16 12:11	1
Bromoform	ND		1.0	0.26	ug/L			11/13/16 12:11	1
Bromomethane	ND		1.0	0.69	ug/L			11/13/16 12:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/13/16 12:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/13/16 12:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/13/16 12:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/13/16 12:11	1
Chloroethane	ND		1.0	0.32	ug/L			11/13/16 12:11	1
Chloroform	0.47 J		1.0	0.34	ug/L			11/13/16 12:11	1
Chloromethane	ND		1.0	0.35	ug/L			11/13/16 12:11	1
cis-1,2-Dichloroethene	35		1.0	0.81	ug/L			11/13/16 12:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/13/16 12:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/13/16 12:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/13/16 12:11	1
Styrene	ND		1.0	0.73	ug/L			11/13/16 12:11	1
Tetrachloroethene	0.44 J		1.0	0.36	ug/L			11/13/16 12:11	1
Toluene	ND		1.0	0.51	ug/L			11/13/16 12:11	1
trans-1,2-Dichloroethene	2.1		1.0	0.90	ug/L			11/13/16 12:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/13/16 12:11	1
Trichloroethene	98		1.0	0.46	ug/L			11/13/16 12:11	1
Vinyl chloride	0.93 J		1.0	0.90	ug/L			11/13/16 12:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/13/16 12:11	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100			77 - 120				11/13/16 12:11	1
Toluene-d8 (Surr)	96			80 - 120				11/13/16 12:11	1
4-Bromofluorobenzene (Surr)	101			73 - 120				11/13/16 12:11	1
Dibromofluoromethane (Surr)	103			75 - 123				11/13/16 12:11	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108856-1
 SDG: 480-108856-1

Client Sample ID: Effluent 110116

Date Collected: 11/01/16 09:30
 Date Received: 11/02/16 09:30

Lab Sample ID: 480-108856-4

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/13/16 11:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/13/16 11:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/13/16 11:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/13/16 11:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/13/16 11:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/13/16 11:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/13/16 11:47	1
2-Hexanone	ND		5.0	1.2	ug/L			11/13/16 11:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/13/16 11:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/13/16 11:47	1
Acetone	ND		10	3.0	ug/L			11/13/16 11:47	1
Benzene	ND		1.0	0.41	ug/L			11/13/16 11:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/13/16 11:47	1
Bromoform	ND		1.0	0.26	ug/L			11/13/16 11:47	1
Bromomethane	ND		1.0	0.69	ug/L			11/13/16 11:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/13/16 11:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/13/16 11:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/13/16 11:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/13/16 11:47	1
Chloroethane	ND		1.0	0.32	ug/L			11/13/16 11:47	1
Chloroform	ND		1.0	0.34	ug/L			11/13/16 11:47	1
Chloromethane	ND		1.0	0.35	ug/L			11/13/16 11:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/13/16 11:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/13/16 11:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/13/16 11:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/13/16 11:47	1
Styrene	ND		1.0	0.73	ug/L			11/13/16 11:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/13/16 11:47	1
Toluene	ND		1.0	0.51	ug/L			11/13/16 11:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/13/16 11:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/13/16 11:47	1
Trichloroethene	ND		1.0	0.46	ug/L			11/13/16 11:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/13/16 11:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/13/16 11:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		11/13/16 11:47	1
Toluene-d8 (Surr)	97		80 - 120		11/13/16 11:47	1
4-Bromofluorobenzene (Surr)	101		73 - 120		11/13/16 11:47	1
Dibromofluoromethane (Surr)	99		75 - 123		11/13/16 11:47	1

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-108856-1
SDG: 480-108856-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	12DCE (77-120)	TOL (80-120)	BFB (73-120)	DBFM (75-123)				
480-108856-1	Trip Blank	100	96	102	104				
480-108856-2	Influent 110116	105	99	110	111				
480-108856-3	Mixing Tank 110116	100	96	101	103				
480-108856-4	Effluent 110116	98	97	101	99				
LCS 480-331308/4	Lab Control Sample	101	96	103	101				
LCS 480-331354/4	Lab Control Sample	98	96	103	102				
MB 480-331308/6	Method Blank	102	98	108	109				
MB 480-331354/6	Method Blank	101	96	105	107				

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108856-1
 SDG: 480-108856-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-331308/6

Matrix: Water

Analysis Batch: 331308

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/13/16 11:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/13/16 11:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/13/16 11:10	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/13/16 11:10	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/13/16 11:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/13/16 11:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/13/16 11:10	1
2-Hexanone	ND		5.0	1.2	ug/L			11/13/16 11:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/13/16 11:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/13/16 11:10	1
Acetone	ND		10	3.0	ug/L			11/13/16 11:10	1
Benzene	ND		1.0	0.41	ug/L			11/13/16 11:10	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/13/16 11:10	1
Bromoform	ND		1.0	0.26	ug/L			11/13/16 11:10	1
Bromomethane	ND		1.0	0.69	ug/L			11/13/16 11:10	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/13/16 11:10	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/13/16 11:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/13/16 11:10	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/13/16 11:10	1
Chloroethane	ND		1.0	0.32	ug/L			11/13/16 11:10	1
Chloroform	ND		1.0	0.34	ug/L			11/13/16 11:10	1
Chloromethane	ND		1.0	0.35	ug/L			11/13/16 11:10	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/13/16 11:10	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/13/16 11:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/13/16 11:10	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/13/16 11:10	1
Styrene	ND		1.0	0.73	ug/L			11/13/16 11:10	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/13/16 11:10	1
Toluene	ND		1.0	0.51	ug/L			11/13/16 11:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/13/16 11:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/13/16 11:10	1
Trichloroethene	ND		1.0	0.46	ug/L			11/13/16 11:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/13/16 11:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/13/16 11:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		11/13/16 11:10	1
Toluene-d8 (Surr)	98		80 - 120		11/13/16 11:10	1
4-Bromofluorobenzene (Surr)	108		73 - 120		11/13/16 11:10	1
Dibromofluoromethane (Surr)	109		75 - 123		11/13/16 11:10	1

Lab Sample ID: LCS 480-331308/4

Matrix: Water

Analysis Batch: 331308

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
1,1,1-Trichloroethane	25.0	27.4		ug/L		109	73 - 126	
1,1,2,2-Tetrachloroethane	25.0	25.5		ug/L		102	76 - 120	

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108856-1
 SDG: 480-108856-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-331308/4

Matrix: Water

Analysis Batch: 331308

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
1,1,2-Trichloroethane	25.0	24.7		ug/L		99	76 - 122	
1,1-Dichloroethane	25.0	25.5		ug/L		102	77 - 120	
1,1-Dichloroethene	25.0	27.8		ug/L		111	66 - 127	
1,2-Dichloroethane	25.0	24.8		ug/L		99	75 - 120	
1,2-Dichloropropane	25.0	25.4		ug/L		102	76 - 120	
2-Hexanone	125	126		ug/L		100	65 - 127	
2-Butanone (MEK)	125	130		ug/L		104	57 - 140	
4-Methyl-2-pentanone (MIBK)	125	124		ug/L		99	71 - 125	
Acetone	125	134		ug/L		107	56 - 142	
Benzene	25.0	25.2		ug/L		101	71 - 124	
Bromodichloromethane	25.0	25.7		ug/L		103	80 - 122	
Bromoform	25.0	25.8		ug/L		103	61 - 132	
Bromomethane	25.0	22.2		ug/L		89	55 - 144	
Carbon disulfide	25.0	27.1		ug/L		108	59 - 134	
Carbon tetrachloride	25.0	27.4		ug/L		110	72 - 134	
Chlorobenzene	25.0	24.7		ug/L		99	80 - 120	
Dibromochloromethane	25.0	25.7		ug/L		103	75 - 125	
Chloroethane	25.0	23.9		ug/L		96	69 - 136	
Chloroform	25.0	25.3		ug/L		101	73 - 127	
Chloromethane	25.0	19.6		ug/L		78	68 - 124	
cis-1,2-Dichloroethene	25.0	25.3		ug/L		101	74 - 124	
cis-1,3-Dichloropropene	25.0	26.2		ug/L		105	74 - 124	
Ethylbenzene	25.0	25.0		ug/L		100	77 - 123	
Methylene Chloride	25.0	25.0		ug/L		100	75 - 124	
Styrene	25.0	24.8		ug/L		99	80 - 120	
Tetrachloroethene	25.0	25.7		ug/L		103	74 - 122	
Toluene	25.0	24.3		ug/L		97	80 - 122	
trans-1,2-Dichloroethene	25.0	26.4		ug/L		106	73 - 127	
trans-1,3-Dichloropropene	25.0	25.1		ug/L		101	80 - 120	
Trichloroethene	25.0	26.2		ug/L		105	74 - 123	
Vinyl chloride	25.0	21.9		ug/L		88	65 - 133	
Xylenes, Total	50.0	49.6		ug/L		99	76 - 122	

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		77 - 120
Toluene-d8 (Surr)	96		80 - 120
4-Bromofluorobenzene (Surr)	103		73 - 120
Dibromofluoromethane (Surr)	101		75 - 123

Lab Sample ID: MB 480-331354/6

Matrix: Water

Analysis Batch: 331354

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/13/16 21:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/13/16 21:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/13/16 21:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/13/16 21:52	1

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108856-1
 SDG: 480-108856-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-331354/6

Matrix: Water

Analysis Batch: 331354

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND				1.0	0.29	ug/L			11/13/16 21:52	1
1,2-Dichloroethane	ND				1.0	0.21	ug/L			11/13/16 21:52	1
1,2-Dichloropropane	ND				1.0	0.72	ug/L			11/13/16 21:52	1
2-Hexanone	ND				5.0	1.2	ug/L			11/13/16 21:52	1
2-Butanone (MEK)	ND				10	1.3	ug/L			11/13/16 21:52	1
4-Methyl-2-pentanone (MIBK)	ND				5.0	2.1	ug/L			11/13/16 21:52	1
Acetone	ND				10	3.0	ug/L			11/13/16 21:52	1
Benzene	ND				1.0	0.41	ug/L			11/13/16 21:52	1
Bromodichloromethane	ND				1.0	0.39	ug/L			11/13/16 21:52	1
Bromoform	ND				1.0	0.26	ug/L			11/13/16 21:52	1
Bromomethane	ND				1.0	0.69	ug/L			11/13/16 21:52	1
Carbon disulfide	ND				1.0	0.19	ug/L			11/13/16 21:52	1
Carbon tetrachloride	ND				1.0	0.27	ug/L			11/13/16 21:52	1
Chlorobenzene	ND				1.0	0.75	ug/L			11/13/16 21:52	1
Dibromochloromethane	ND				1.0	0.32	ug/L			11/13/16 21:52	1
Chloroethane	ND				1.0	0.32	ug/L			11/13/16 21:52	1
Chloroform	ND				1.0	0.34	ug/L			11/13/16 21:52	1
Chloromethane	ND				1.0	0.35	ug/L			11/13/16 21:52	1
cis-1,2-Dichloroethene	ND				1.0	0.81	ug/L			11/13/16 21:52	1
cis-1,3-Dichloropropene	ND				1.0	0.36	ug/L			11/13/16 21:52	1
Ethylbenzene	ND				1.0	0.74	ug/L			11/13/16 21:52	1
Methylene Chloride	ND				1.0	0.44	ug/L			11/13/16 21:52	1
Styrene	ND				1.0	0.73	ug/L			11/13/16 21:52	1
Tetrachloroethene	ND				1.0	0.36	ug/L			11/13/16 21:52	1
Toluene	ND				1.0	0.51	ug/L			11/13/16 21:52	1
trans-1,2-Dichloroethene	ND				1.0	0.90	ug/L			11/13/16 21:52	1
trans-1,3-Dichloropropene	ND				1.0	0.37	ug/L			11/13/16 21:52	1
Trichloroethene	ND				1.0	0.46	ug/L			11/13/16 21:52	1
Vinyl chloride	ND				1.0	0.90	ug/L			11/13/16 21:52	1
Xylenes, Total	ND				2.0	0.66	ug/L			11/13/16 21:52	1

Surrogate	MB	MB	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101				77 - 120			11/13/16 21:52	1
Toluene-d8 (Surr)	96				80 - 120			11/13/16 21:52	1
4-Bromofluorobenzene (Surr)	105				73 - 120			11/13/16 21:52	1
Dibromofluoromethane (Surr)	107				75 - 123			11/13/16 21:52	1

Lab Sample ID: LCS 480-331354/4

Matrix: Water

Analysis Batch: 331354

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec.	Limits
	Added	Result	Qualifier				
1,1,1-Trichloroethane	25.0	29.0		ug/L		116	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.8		ug/L		99	76 - 120
1,1,2-Trichloroethane	25.0	24.5		ug/L		98	76 - 122
1,1-Dichloroethane	25.0	26.7		ug/L		107	77 - 120
1,1-Dichloroethene	25.0	26.8		ug/L		107	66 - 127
1,2-Dichloroethane	25.0	25.4		ug/L		102	75 - 120

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108856-1
 SDG: 480-108856-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-331354/4

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 331354

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
	Added	Result	Qualifier				Limits	
1,2-Dichloropropane	25.0	26.2		ug/L		105	76 - 120	
2-Hexanone	125	132		ug/L		106	65 - 127	
2-Butanone (MEK)	125	149		ug/L		119	57 - 140	
4-Methyl-2-pentanone (MIBK)	125	127		ug/L		102	71 - 125	
Acetone	125	187	*	ug/L		150	56 - 142	
Benzene	25.0	26.0		ug/L		104	71 - 124	
Bromodichloromethane	25.0	26.4		ug/L		106	80 - 122	
Bromoform	25.0	25.0		ug/L		100	61 - 132	
Bromomethane	25.0	25.9		ug/L		103	55 - 144	
Carbon disulfide	25.0	25.5		ug/L		102	59 - 134	
Carbon tetrachloride	25.0	28.6		ug/L		114	72 - 134	
Chlorobenzene	25.0	25.5		ug/L		102	80 - 120	
Dibromochloromethane	25.0	25.5		ug/L		102	75 - 125	
Chloroethane	25.0	25.6		ug/L		103	69 - 136	
Chloroform	25.0	26.4		ug/L		106	73 - 127	
Chloromethane	25.0	19.7		ug/L		79	68 - 124	
cis-1,2-Dichloroethene	25.0	26.7		ug/L		107	74 - 124	
cis-1,3-Dichloropropene	25.0	26.0		ug/L		104	74 - 124	
Ethylbenzene	25.0	26.1		ug/L		105	77 - 123	
Methylene Chloride	25.0	25.4		ug/L		102	75 - 124	
Styrene	25.0	25.7		ug/L		103	80 - 120	
Tetrachloroethene	25.0	27.0		ug/L		108	74 - 122	
Toluene	25.0	25.6		ug/L		102	80 - 122	
trans-1,2-Dichloroethene	25.0	27.0		ug/L		108	73 - 127	
trans-1,3-Dichloropropene	25.0	24.7		ug/L		99	80 - 120	
Trichloroethene	25.0	26.9		ug/L		108	74 - 123	
Vinyl chloride	25.0	23.3		ug/L		93	65 - 133	
Xylenes, Total	50.0	52.0		ug/L		104	76 - 122	

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	98		77 - 120
Toluene-d8 (Surr)	96		80 - 120
4-Bromofluorobenzene (Surr)	103		73 - 120
Dibromofluoromethane (Surr)	102		75 - 123

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-108856-1
SDG: 480-108856-1

GC/MS VOA

Analysis Batch: 331308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-108856-2	Influent 110116	Total/NA	Water	8260C	
480-108856-3	Mixing Tank 110116	Total/NA	Water	8260C	
480-108856-4	Effluent 110116	Total/NA	Water	8260C	
MB 480-331308/6	Method Blank	Total/NA	Water	8260C	
LCS 480-331308/4	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 331354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-108856-1	Trip Blank	Total/NA	Water	8260C	
MB 480-331354/6	Method Blank	Total/NA	Water	8260C	
LCS 480-331354/4	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-108856-1
SDG: 480-108856-1

Client Sample ID: Trip Blank

Date Collected: 11/01/16 00:00

Date Received: 11/02/16 09:30

Lab Sample ID: 480-108856-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	331354	11/13/16 22:23	GTG	TAL BUF

Client Sample ID: Influent 110116

Date Collected: 11/01/16 09:35

Date Received: 11/02/16 09:30

Lab Sample ID: 480-108856-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	331308	11/13/16 12:35	CDC	TAL BUF

Client Sample ID: Mixing Tank 110116

Date Collected: 11/01/16 09:33

Date Received: 11/02/16 09:30

Lab Sample ID: 480-108856-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	331308	11/13/16 12:11	CDC	TAL BUF

Client Sample ID: Effluent 110116

Date Collected: 11/01/16 09:30

Date Received: 11/02/16 09:30

Lab Sample ID: 480-108856-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	331308	11/13/16 11:47	CDC	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-108856-1
 SDG: 480-108856-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17
Georgia	State Program	4	956	03-31-17
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	11-30-16 *
Kentucky (DW)	State Program	4	90029	12-31-16 *
Kentucky (UST)	State Program	4	30	03-31-17
Kentucky (WW)	State Program	4	90029	12-31-16 *
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-16 *
Maryland	State Program	3	294	03-31-17
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17
Minnesota	NELAP	5	036-999-337	12-31-16 *
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-16 *
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17
North Dakota	State Program	8	R-176	03-31-17
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-16 *
Tennessee	State Program	4	TN02970	03-31-17
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-17
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

TestAmerica Buffalo

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-108856-1
SDG: 480-108856-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-108856-1
SDG: 480-108856-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-108856-1	Trip Blank	Water	11/01/16 00:00	11/02/16 09:30
480-108856-2	Influent 110116	Water	11/01/16 09:35	11/02/16 09:30
480-108856-3	Mixing Tank 110116	Water	11/01/16 09:33	11/02/16 09:30
480-108856-4	Effluent 110116	Water	11/01/16 09:30	11/02/16 09:30

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

TestAmerica Buffalo

Chain of Custody Record

TestAmerica Cincinnati

210501

Temperature on Receipt _____

Drinking Water? Yes No

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client O'Brien & Gene	Project Manager Robert Giouranetti	Date 11-1-15	Chain of Custody Number 291098
Address 8805 Governor Hill Dr	Telephone Number (Area Code)/Fax Number 856-664-4265	Lab Number 1	Page 1 of 1
City Cincinnati	Site Contact Mike McLaughlin	Analysis (Attach list if more space is needed)	
Project Name and Location (State) GE-TRM (Ohio)	Carrier/Mailbox Number Contract/Purchase Order/Quote No. 113111d7	Lab Contact John Schaefer	Special Instructions/ Conditions of Receipt
			

(Containers for each sample may be combined on one line)

Sample I.D. No. and Description

	Date	Time	Air	Matrix	Containers & Preservatives
Trip Blank	11-1-16		X		
Effluent 110116		9:30	X		
Mixing Tank 110116		9:33	X		
Influent 110116		9:35	X		

Possible Hazard Identification

- Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For _____ Months _____ (A fee may be assessed if samples are retained longer than 1 month)

QC Requirements (Specify)

Turn Around Time Required	24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input checked="" type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____	1. Received By Mike McLaughlin	Date 11-1-16	Time 12:48
		2. Received By John Schaefer	Date 11-1-16	Time 12:57
		3. Received By John Schaefer	Date 11-2-16	Time 09:30

Comments: New Bottles are Not User Friendly

DISTRIBUTION: WHITE - Returned to Client with Report, PINK - Stays with the Sample, PINK - Field Copy

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-108856-1

SDG Number: 480-108856-1

Login Number: 108856

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

Question	Answer	Comment	
Radioactivity either was not measured or, if measured, is at or below background	True		1
The cooler's custody seal, if present, is intact.	True		2
The cooler or samples do not appear to have been compromised or tampered with.	True		3
Samples were received on ice.	True		4
Cooler Temperature is acceptable.	True		5
Cooler Temperature is recorded.	True		6
COC is present.	True		7
COC is filled out in ink and legible.	True		8
COC is filled out with all pertinent information.	True		9
Is the Field Sampler's name present on COC?	True		10
There are no discrepancies between the sample IDs on the containers and the COC.	True		11
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True		12
Sample containers have legible labels.	True		13
Containers are not broken or leaking.	True		14
Sample collection date/times are provided.	True		15
Appropriate sample containers are used.	True		
Sample bottles are completely filled.	True		
Sample Preservation Verified	True		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True		
If necessary, staff have been informed of any short hold time or quick TAT needs	True		
Multiphasic samples are not present.	True		
Samples do not require splitting or compositing.	True		
Sampling Company provided.	True	OBG	
Samples received within 48 hours of sampling.	True		
Samples requiring field filtration have been filtered in the field.	N/A		
Chlorine Residual checked.	N/A		

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive
Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-109680-1

Client Project/Site: GE - Evendale, OH Site

For:

O'Brien & Gere Inc of North America
8805 Governor's Hill Dr.
Ste. 164
Cincinnati, Ohio 45249

Attn: Chase Forman



Authorized for release by:

11/28/2016 11:34:50 PM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?

Ask
The
Expert

Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
Surrogate Summary	10
QC Sample Results	11
QC Association Summary	13
Lab Chronicle	14
Certification Summary	15
Method Summary	16
Sample Summary	17
Chain of Custody	18
Receipt Checklists	19

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-109680-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
D	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-109680-1

Job ID: 480-109680-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-109680-1

Receipt

The samples were received on 11/16/2016 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0° C.

GC/MS VOA

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent 111516 (480-109680-4). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-109680-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-109680-1

No Detections.

Client Sample ID: Effluent 111516

Lab Sample ID: 480-109680-2

No Detections.

Client Sample ID: Mixing Tank 111516

Lab Sample ID: 480-109680-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	18		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	5.6		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	2.1		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	40		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	5.0		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	80		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	8.1		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: Influent 111516

Lab Sample ID: 480-109680-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	14		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	4.5		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.8 J		2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	43		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	6.5		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	83		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	6.5		2.0	1.8	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-109680-1

Client Sample ID: Trip Blank

Date Collected: 11/15/16 00:00

Date Received: 11/16/16 09:30

Lab Sample ID: 480-109680-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/26/16 13:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/26/16 13:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/26/16 13:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/26/16 13:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/26/16 13:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/26/16 13:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/26/16 13:24	1
2-Hexanone	ND		5.0	1.2	ug/L			11/26/16 13:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/26/16 13:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/26/16 13:24	1
Acetone	ND		10	3.0	ug/L			11/26/16 13:24	1
Benzene	ND		1.0	0.41	ug/L			11/26/16 13:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/26/16 13:24	1
Bromoform	ND		1.0	0.26	ug/L			11/26/16 13:24	1
Bromomethane	ND		1.0	0.69	ug/L			11/26/16 13:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/26/16 13:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/26/16 13:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/26/16 13:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/26/16 13:24	1
Chloroethane	ND		1.0	0.32	ug/L			11/26/16 13:24	1
Chloroform	ND		1.0	0.34	ug/L			11/26/16 13:24	1
Chloromethane	ND		1.0	0.35	ug/L			11/26/16 13:24	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/26/16 13:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/26/16 13:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/26/16 13:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/26/16 13:24	1
Styrene	ND		1.0	0.73	ug/L			11/26/16 13:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/26/16 13:24	1
Toluene	ND		1.0	0.51	ug/L			11/26/16 13:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/26/16 13:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/26/16 13:24	1
Trichloroethene	ND		1.0	0.46	ug/L			11/26/16 13:24	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/26/16 13:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/26/16 13:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		11/26/16 13:24	1
Toluene-d8 (Surr)	98		80 - 120		11/26/16 13:24	1
4-Bromofluorobenzene (Surr)	93		73 - 120		11/26/16 13:24	1
Dibromofluoromethane (Surr)	95		75 - 123		11/26/16 13:24	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-109680-1

Client Sample ID: Effluent 111516

Date Collected: 11/15/16 13:20

Date Received: 11/16/16 09:30

Lab Sample ID: 480-109680-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/26/16 12:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/26/16 12:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/26/16 12:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/26/16 12:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/26/16 12:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/26/16 12:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/26/16 12:15	1
2-Hexanone	ND		5.0	1.2	ug/L			11/26/16 12:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/26/16 12:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/26/16 12:15	1
Acetone	ND		10	3.0	ug/L			11/26/16 12:15	1
Benzene	ND		1.0	0.41	ug/L			11/26/16 12:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/26/16 12:15	1
Bromoform	ND		1.0	0.26	ug/L			11/26/16 12:15	1
Bromomethane	ND		1.0	0.69	ug/L			11/26/16 12:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/26/16 12:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/26/16 12:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/26/16 12:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/26/16 12:15	1
Chloroethane	ND		1.0	0.32	ug/L			11/26/16 12:15	1
Chloroform	ND		1.0	0.34	ug/L			11/26/16 12:15	1
Chloromethane	ND		1.0	0.35	ug/L			11/26/16 12:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/26/16 12:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/26/16 12:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/26/16 12:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/26/16 12:15	1
Styrene	ND		1.0	0.73	ug/L			11/26/16 12:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/26/16 12:15	1
Toluene	ND		1.0	0.51	ug/L			11/26/16 12:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/26/16 12:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/26/16 12:15	1
Trichloroethene	ND		1.0	0.46	ug/L			11/26/16 12:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/26/16 12:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/26/16 12:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		11/26/16 12:15	1
Toluene-d8 (Surr)	99		80 - 120		11/26/16 12:15	1
4-Bromofluorobenzene (Surr)	96		73 - 120		11/26/16 12:15	1
Dibromofluoromethane (Surr)	98		75 - 123		11/26/16 12:15	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-109680-1

Client Sample ID: Mixing Tank 111516

Lab Sample ID: 480-109680-3

Matrix: Water

Date Collected: 11/15/16 13:23
 Date Received: 11/16/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	18		1.0	0.82	ug/L			11/26/16 12:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/26/16 12:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/26/16 12:38	1
1,1-Dichloroethane	5.6		1.0	0.38	ug/L			11/26/16 12:38	1
1,1-Dichloroethene	2.1		1.0	0.29	ug/L			11/26/16 12:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/26/16 12:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/26/16 12:38	1
2-Hexanone	ND		5.0	1.2	ug/L			11/26/16 12:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/26/16 12:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/26/16 12:38	1
Acetone	ND		10	3.0	ug/L			11/26/16 12:38	1
Benzene	ND		1.0	0.41	ug/L			11/26/16 12:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/26/16 12:38	1
Bromoform	ND		1.0	0.26	ug/L			11/26/16 12:38	1
Bromomethane	ND		1.0	0.69	ug/L			11/26/16 12:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/26/16 12:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/26/16 12:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/26/16 12:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/26/16 12:38	1
Chloroethane	ND		1.0	0.32	ug/L			11/26/16 12:38	1
Chloroform	ND		1.0	0.34	ug/L			11/26/16 12:38	1
Chloromethane	ND		1.0	0.35	ug/L			11/26/16 12:38	1
cis-1,2-Dichloroethene	40		1.0	0.81	ug/L			11/26/16 12:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/26/16 12:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/26/16 12:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/26/16 12:38	1
Styrene	ND		1.0	0.73	ug/L			11/26/16 12:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/26/16 12:38	1
Toluene	ND		1.0	0.51	ug/L			11/26/16 12:38	1
trans-1,2-Dichloroethene	5.0		1.0	0.90	ug/L			11/26/16 12:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/26/16 12:38	1
Trichloroethene	80		1.0	0.46	ug/L			11/26/16 12:38	1
Vinyl chloride	8.1		1.0	0.90	ug/L			11/26/16 12:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/26/16 12:38	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98			77 - 120				11/26/16 12:38	1
Toluene-d8 (Surr)	97			80 - 120				11/26/16 12:38	1
4-Bromofluorobenzene (Surr)	94			73 - 120				11/26/16 12:38	1
Dibromofluoromethane (Surr)	98			75 - 123				11/26/16 12:38	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-109680-1

Client Sample ID: Influent 111516

Date Collected: 11/15/16 13:25

Date Received: 11/16/16 09:30

Lab Sample ID: 480-109680-4

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	14		2.0	1.6	ug/L			11/26/16 13:01	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			11/26/16 13:01	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			11/26/16 13:01	2
1,1-Dichloroethane	4.5		2.0	0.76	ug/L			11/26/16 13:01	2
1,1-Dichloroethene	1.8 J		2.0	0.58	ug/L			11/26/16 13:01	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			11/26/16 13:01	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			11/26/16 13:01	2
2-Hexanone	ND		10	2.5	ug/L			11/26/16 13:01	2
2-Butanone (MEK)	ND		20	2.6	ug/L			11/26/16 13:01	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			11/26/16 13:01	2
Acetone	ND		20	6.0	ug/L			11/26/16 13:01	2
Benzene	ND		2.0	0.82	ug/L			11/26/16 13:01	2
Bromodichloromethane	ND		2.0	0.78	ug/L			11/26/16 13:01	2
Bromoform	ND		2.0	0.52	ug/L			11/26/16 13:01	2
Bromomethane	ND		2.0	1.4	ug/L			11/26/16 13:01	2
Carbon disulfide	ND		2.0	0.38	ug/L			11/26/16 13:01	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			11/26/16 13:01	2
Chlorobenzene	ND		2.0	1.5	ug/L			11/26/16 13:01	2
Dibromochloromethane	ND		2.0	0.64	ug/L			11/26/16 13:01	2
Chloroethane	ND		2.0	0.64	ug/L			11/26/16 13:01	2
Chloroform	ND		2.0	0.68	ug/L			11/26/16 13:01	2
Chloromethane	ND		2.0	0.70	ug/L			11/26/16 13:01	2
cis-1,2-Dichloroethene	43		2.0	1.6	ug/L			11/26/16 13:01	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			11/26/16 13:01	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/26/16 13:01	2
Methylene Chloride	ND		2.0	0.88	ug/L			11/26/16 13:01	2
Styrene	ND		2.0	1.5	ug/L			11/26/16 13:01	2
Tetrachloroethene	ND		2.0	0.72	ug/L			11/26/16 13:01	2
Toluene	ND		2.0	1.0	ug/L			11/26/16 13:01	2
trans-1,2-Dichloroethene	6.5		2.0	1.8	ug/L			11/26/16 13:01	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			11/26/16 13:01	2
Trichloroethene	83		2.0	0.92	ug/L			11/26/16 13:01	2
Vinyl chloride	6.5		2.0	1.8	ug/L			11/26/16 13:01	2
Xylenes, Total	ND		4.0	1.3	ug/L			11/26/16 13:01	2
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97			77 - 120				11/26/16 13:01	2
Toluene-d8 (Surr)	99			80 - 120				11/26/16 13:01	2
4-Bromofluorobenzene (Surr)	96			73 - 120				11/26/16 13:01	2
Dibromofluoromethane (Surr)	94			75 - 123				11/26/16 13:01	2

TestAmerica Buffalo

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-109680-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	12DCE (77-120)	TOL (80-120)	BFB (73-120)	DBFM (75-123)						
480-109680-1	Trip Blank	97	98	93	95						
480-109680-2	Effluent 111516	96	99	96	98						
480-109680-3	Mixing Tank 111516	98	97	94	98						
480-109680-4	Influent 111516	97	99	96	94						
LCS 480-333547/5	Lab Control Sample	97	100	94	98						
MB 480-333547/7	Method Blank	96	98	93	96						

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-109680-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-333547/7

Matrix: Water

Analysis Batch: 333547

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/26/16 10:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/26/16 10:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/26/16 10:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/26/16 10:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/26/16 10:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/26/16 10:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/26/16 10:40	1
2-Hexanone	ND		5.0	1.2	ug/L			11/26/16 10:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/26/16 10:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/26/16 10:40	1
Acetone	ND		10	3.0	ug/L			11/26/16 10:40	1
Benzene	ND		1.0	0.41	ug/L			11/26/16 10:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/26/16 10:40	1
Bromoform	ND		1.0	0.26	ug/L			11/26/16 10:40	1
Bromomethane	ND		1.0	0.69	ug/L			11/26/16 10:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/26/16 10:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/26/16 10:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/26/16 10:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/26/16 10:40	1
Chloroethane	ND		1.0	0.32	ug/L			11/26/16 10:40	1
Chloroform	ND		1.0	0.34	ug/L			11/26/16 10:40	1
Chloromethane	ND		1.0	0.35	ug/L			11/26/16 10:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/26/16 10:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/26/16 10:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/26/16 10:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/26/16 10:40	1
Styrene	ND		1.0	0.73	ug/L			11/26/16 10:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/26/16 10:40	1
Toluene	ND		1.0	0.51	ug/L			11/26/16 10:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/26/16 10:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/26/16 10:40	1
Trichloroethene	ND		1.0	0.46	ug/L			11/26/16 10:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/26/16 10:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/26/16 10:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		77 - 120			1
Toluene-d8 (Surr)	98		80 - 120			1
4-Bromofluorobenzene (Surr)	93		73 - 120			1
Dibromofluoromethane (Surr)	96		75 - 123			1

Lab Sample ID: LCS 480-333547/5

Matrix: Water

Analysis Batch: 333547

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
1,1,1-Trichloroethane	25.0	26.2		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.0		ug/L		96	76 - 120

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-109680-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-333547/5

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 333547

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
	Added	Result	Qualifier					
1,1,2-Trichloroethane	25.0	24.4		ug/L		98	76 - 122	
1,1-Dichloroethane	25.0	24.3		ug/L		97	77 - 120	
1,1-Dichloroethene	25.0	26.4		ug/L		106	66 - 127	
1,2-Dichloroethane	25.0	22.5		ug/L		90	75 - 120	
1,2-Dichloropropane	25.0	24.2		ug/L		97	76 - 120	
2-Hexanone	125	101		ug/L		81	65 - 127	
2-Butanone (MEK)	125	101		ug/L		81	57 - 140	
4-Methyl-2-pentanone (MIBK)	125	104		ug/L		83	71 - 125	
Acetone	125	93.5		ug/L		75	56 - 142	
Benzene	25.0	24.6		ug/L		99	71 - 124	
Bromodichloromethane	25.0	24.6		ug/L		98	80 - 122	
Bromoform	25.0	25.0		ug/L		100	61 - 132	
Bromomethane	25.0	21.2		ug/L		85	55 - 144	
Carbon disulfide	25.0	23.4		ug/L		94	59 - 134	
Carbon tetrachloride	25.0	26.3		ug/L		105	72 - 134	
Chlorobenzene	25.0	24.1		ug/L		97	80 - 120	
Dibromochloromethane	25.0	25.0		ug/L		100	75 - 125	
Chloroethane	25.0	27.3		ug/L		109	69 - 136	
Chloroform	25.0	24.0		ug/L		96	73 - 127	
Chloromethane	25.0	25.2		ug/L		101	68 - 124	
cis-1,2-Dichloroethene	25.0	24.7		ug/L		99	74 - 124	
cis-1,3-Dichloropropene	25.0	25.3		ug/L		101	74 - 124	
Ethylbenzene	25.0	23.8		ug/L		95	77 - 123	
Methylene Chloride	25.0	22.8		ug/L		91	75 - 124	
Styrene	25.0	24.1		ug/L		96	80 - 120	
Tetrachloroethene	25.0	25.1		ug/L		101	74 - 122	
Toluene	25.0	24.9		ug/L		99	80 - 122	
trans-1,2-Dichloroethene	25.0	25.4		ug/L		102	73 - 127	
trans-1,3-Dichloropropene	25.0	25.5		ug/L		102	80 - 120	
Trichloroethene	25.0	24.7		ug/L		99	74 - 123	
Vinyl chloride	25.0	28.4		ug/L		114	65 - 133	
Xylenes, Total	50.0	47.7		ug/L		95	76 - 122	

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	97		77 - 120
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	94		73 - 120
Dibromofluoromethane (Surr)	98		75 - 123

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-109680-1

GC/MS VOA

Analysis Batch: 333547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-109680-1	Trip Blank	Total/NA	Water	8260C	5
480-109680-2	Effluent 111516	Total/NA	Water	8260C	6
480-109680-3	Mixing Tank 111516	Total/NA	Water	8260C	7
480-109680-4	Influent 111516	Total/NA	Water	8260C	8
MB 480-333547/7	Method Blank	Total/NA	Water	8260C	9
LCS 480-333547/5	Lab Control Sample	Total/NA	Water	8260C	10

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-109680-1

Client Sample ID: Trip Blank

Date Collected: 11/15/16 00:00

Date Received: 11/16/16 09:30

Lab Sample ID: 480-109680-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	333547	11/26/16 13:24	NEA	TAL BUF

Client Sample ID: Effluent 111516

Date Collected: 11/15/16 13:20

Date Received: 11/16/16 09:30

Lab Sample ID: 480-109680-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	333547	11/26/16 12:15	NEA	TAL BUF

Client Sample ID: Mixing Tank 111516

Date Collected: 11/15/16 13:23

Date Received: 11/16/16 09:30

Lab Sample ID: 480-109680-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	333547	11/26/16 12:38	NEA	TAL BUF

Client Sample ID: Influent 111516

Date Collected: 11/15/16 13:25

Date Received: 11/16/16 09:30

Lab Sample ID: 480-109680-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	333547	11/26/16 13:01	NEA	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TestAmerica Buffalo

Certification Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-109680-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17
Georgia	State Program	4	956	03-31-17
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	11-30-16 *
Kentucky (DW)	State Program	4	90029	12-31-16 *
Kentucky (UST)	State Program	4	30	03-31-17
Kentucky (WW)	State Program	4	90029	12-31-16 *
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-16 *
Maryland	State Program	3	294	03-31-17
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17
Minnesota	NELAP	5	036-999-337	12-31-16 *
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-17
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17
North Dakota	State Program	8	R-176	03-31-17
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-16 *
Tennessee	State Program	4	TN02970	03-31-17
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-17
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

TestAmerica Buffalo

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-109680-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-109680-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-109680-1	Trip Blank	Water	11/15/16 00:00	11/16/16 09:30
480-109680-2	Effluent 111516	Water	11/15/16 13:20	11/16/16 09:30
480-109680-3	Mixing Tank 111516	Water	11/15/16 13:23	11/16/16 09:30
480-109680-4	Influent 111516	Water	11/15/16 13:25	11/16/16 09:30

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

TestAmerica Buffalo

Chain of Custody Record

CINCINNATI

210501

48003153

Drinking Water? Yes No

480-109680 COC

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client D' Brien & Gere	Project Manager Robert Giovannetti	Date 11-15-16	Chain of Custody Number 291286																																																																															
Address 8505 Governor Hill Dr	Telephone Number (Area Code)/Fax Number 856-669-8165	Lab Number 1	Page 1 of 1																																																																															
City Cincinnati	State OH	Site Contact Mike [unclear]	Analysis (Attach list if more space is needed)																																																																															
Project Name and Location (State) GE IRM (Ohio)	ZIP Code 45249	Carrier/Carrier Number John Schorr 009933	Special Instructions/ Conditions of Receipt																																																																															
Contract/Purchase Order/Quote No. 1131127		Matrix	Containers & Preservatives																																																																															
<table border="1"> <thead> <tr> <th>Sample I.D. No. and Description (Containers for each sample may be combined on one line)</th> <th>Date</th> <th>Time</th> <th>All</th> <th>Soil</th> <th>Sed</th> <th>Aqueous</th> <th>Upipes</th> <th>H2SO4</th> <th>HNO3</th> <th>HCl</th> <th>NH4</th> <th>NaOH</th> <th>ZnAc2</th> <th>HOEN</th> </tr> </thead> <tbody> <tr> <td>Tin Blank</td> <td>11-15-16</td> <td></td> <td>X</td> <td></td> </tr> <tr> <td>F flight</td> <td>11-15-16</td> <td></td> <td>X</td> <td></td> </tr> <tr> <td>Mixing Tank</td> <td>11-15-16</td> <td></td> <td>X</td> <td></td> </tr> <tr> <td>Tank Vent</td> <td>11-15-16</td> <td>↓</td> <td>X</td> <td></td> </tr> </tbody> </table>				Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	All	Soil	Sed	Aqueous	Upipes	H2SO4	HNO3	HCl	NH4	NaOH	ZnAc2	HOEN	Tin Blank	11-15-16		X													F flight	11-15-16		X													Mixing Tank	11-15-16		X													Tank Vent	11-15-16	↓	X												
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	All	Soil	Sed	Aqueous	Upipes	H2SO4	HNO3	HCl	NH4	NaOH	ZnAc2	HOEN																																																																				
Tin Blank	11-15-16		X																																																																															
F flight	11-15-16		X																																																																															
Mixing Tank	11-15-16		X																																																																															
Tank Vent	11-15-16	↓	X																																																																															

TAL-4124 (1007)

Comments

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Other _____

Turn Around Time Required
 24 Hours 48 Hours 7 Days 14 Days 21 Days Other _____

Sample Disposal
 Return To Client Disposal By Lab Archive For _____ Months longer than 1 month

QC Requirements (Specify)

1. Prepared by	<i>[Signature]</i>	Date 11/15/16	Time 13:57	1. Received by	<i>[Signature]</i>	Date 11/15/16	Time 13:57
2. Prepared by	<i>[Signature]</i>	Date 11/16/16	Time 09:30	2. Received by	<i>[Signature]</i>	Date 11/16/16	Time 09:30
3. Prepared by	<i>[Signature]</i>	Date 11/16/16	Time 09:30	3. Received by	<i>[Signature]</i>	Date 11/16/16	Time 09:30

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-109680-1

Login Number: 109680

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-110382-1

TestAmerica Sample Delivery Group: 480-110382-1

Client Project/Site: GE - IRM

For:

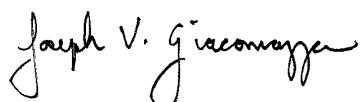
O'Brien & Gere Inc of North America

8805 Governor's Hill Dr.

Ste. 164

Cincinnati, Ohio 45249

Attn: Chase Forman



Authorized for release by:

12/12/2016 12:18:32 PM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?

Ask
The
Expert

Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
Surrogate Summary	10
QC Sample Results	11
QC Association Summary	13
Lab Chronicle	14
Certification Summary	15
Method Summary	16
Sample Summary	17
Chain of Custody	18
Receipt Checklists	19

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110382-1
SDG: 480-110382-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-110382-1
SDG: 480-110382-1

Job ID: 480-110382-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-110382-1

Receipt

The samples were received on 12/2/2016 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.5° C.

GC/MS VOA

Method(s) 8260C: The following sample was collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: Mixing Tank 120116 (480-110382-3).

The sample was analyzed within 7 days per EPA recommendation.

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent 120116 (480-110382-4). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110382-1
SDG: 480-110382-1

Client Sample ID: Trip Blank 120116

Lab Sample ID: 480-110382-1

No Detections.

Client Sample ID: Effluent 120116

Lab Sample ID: 480-110382-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.31	J B	1.0	0.19	ug/L	1		8260C	Total/NA

Client Sample ID: Mixing Tank 120116

Lab Sample ID: 480-110382-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	19		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	6.0		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.5		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	38		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	5.2		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	74		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	8.0		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: Influent 120116

Lab Sample ID: 480-110382-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	18		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	5.6		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.5	J	2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	46		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	7.2		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	89		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	7.0		2.0	1.8	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110382-1
 SDG: 480-110382-1

Client Sample ID: Trip Blank 120116

Date Collected: 12/01/16 00:00

Date Received: 12/02/16 09:30

Lab Sample ID: 480-110382-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/06/16 11:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/06/16 11:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/06/16 11:31	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/06/16 11:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/06/16 11:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/06/16 11:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/06/16 11:31	1
2-Hexanone	ND		5.0	1.2	ug/L			12/06/16 11:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/06/16 11:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/06/16 11:31	1
Acetone	ND		10	3.0	ug/L			12/06/16 11:31	1
Benzene	ND		1.0	0.41	ug/L			12/06/16 11:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/06/16 11:31	1
Bromoform	ND		1.0	0.26	ug/L			12/06/16 11:31	1
Bromomethane	ND		1.0	0.69	ug/L			12/06/16 11:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/06/16 11:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/06/16 11:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/06/16 11:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/06/16 11:31	1
Chloroethane	ND		1.0	0.32	ug/L			12/06/16 11:31	1
Chloroform	ND		1.0	0.34	ug/L			12/06/16 11:31	1
Chloromethane	ND		1.0	0.35	ug/L			12/06/16 11:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/06/16 11:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/06/16 11:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/06/16 11:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/06/16 11:31	1
Styrene	ND		1.0	0.73	ug/L			12/06/16 11:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/06/16 11:31	1
Toluene	ND		1.0	0.51	ug/L			12/06/16 11:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/06/16 11:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/06/16 11:31	1
Trichloroethene	ND		1.0	0.46	ug/L			12/06/16 11:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/06/16 11:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/06/16 11:31	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103			77 - 120				12/06/16 11:31	1
Toluene-d8 (Surr)	94			80 - 120				12/06/16 11:31	1
4-Bromofluorobenzene (Surr)	88			73 - 120				12/06/16 11:31	1
Dibromofluoromethane (Surr)	100			75 - 123				12/06/16 11:31	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110382-1
 SDG: 480-110382-1

Client Sample ID: Effluent 120116

Date Collected: 12/01/16 07:10

Date Received: 12/02/16 09:30

Lab Sample ID: 480-110382-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/06/16 10:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/06/16 10:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/06/16 10:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/06/16 10:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/06/16 10:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/06/16 10:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/06/16 10:20	1
2-Hexanone	ND		5.0	1.2	ug/L			12/06/16 10:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/06/16 10:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/06/16 10:20	1
Acetone	ND		10	3.0	ug/L			12/06/16 10:20	1
Benzene	ND		1.0	0.41	ug/L			12/06/16 10:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/06/16 10:20	1
Bromoform	ND		1.0	0.26	ug/L			12/06/16 10:20	1
Bromomethane	ND		1.0	0.69	ug/L			12/06/16 10:20	1
Carbon disulfide	0.31	J B	1.0	0.19	ug/L			12/06/16 10:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/06/16 10:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/06/16 10:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/06/16 10:20	1
Chloroethane	ND		1.0	0.32	ug/L			12/06/16 10:20	1
Chloroform	ND		1.0	0.34	ug/L			12/06/16 10:20	1
Chloromethane	ND		1.0	0.35	ug/L			12/06/16 10:20	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/06/16 10:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/06/16 10:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/06/16 10:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/06/16 10:20	1
Styrene	ND		1.0	0.73	ug/L			12/06/16 10:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/06/16 10:20	1
Toluene	ND		1.0	0.51	ug/L			12/06/16 10:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/06/16 10:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/06/16 10:20	1
Trichloroethene	ND		1.0	0.46	ug/L			12/06/16 10:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/06/16 10:20	1
Xylenes, Total			2.0	0.66	ug/L			12/06/16 10:20	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100			77 - 120				12/06/16 10:20	1
Toluene-d8 (Surr)	96			80 - 120				12/06/16 10:20	1
4-Bromofluorobenzene (Surr)	85			73 - 120				12/06/16 10:20	1
Dibromofluoromethane (Surr)	97			75 - 123				12/06/16 10:20	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110382-1
 SDG: 480-110382-1

Client Sample ID: Mixing Tank 120116

Date Collected: 12/01/16 07:14
 Date Received: 12/02/16 09:30

Lab Sample ID: 480-110382-3

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	19		1.0	0.82	ug/L			12/06/16 10:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/06/16 10:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/06/16 10:44	1
1,1-Dichloroethane	6.0		1.0	0.38	ug/L			12/06/16 10:44	1
1,1-Dichloroethene	1.5		1.0	0.29	ug/L			12/06/16 10:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/06/16 10:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/06/16 10:44	1
2-Hexanone	ND		5.0	1.2	ug/L			12/06/16 10:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/06/16 10:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/06/16 10:44	1
Acetone	ND		10	3.0	ug/L			12/06/16 10:44	1
Benzene	ND		1.0	0.41	ug/L			12/06/16 10:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/06/16 10:44	1
Bromoform	ND		1.0	0.26	ug/L			12/06/16 10:44	1
Bromomethane	ND		1.0	0.69	ug/L			12/06/16 10:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/06/16 10:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/06/16 10:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/06/16 10:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/06/16 10:44	1
Chloroethane	ND		1.0	0.32	ug/L			12/06/16 10:44	1
Chloroform	ND		1.0	0.34	ug/L			12/06/16 10:44	1
Chloromethane	ND		1.0	0.35	ug/L			12/06/16 10:44	1
cis-1,2-Dichloroethene	38		1.0	0.81	ug/L			12/06/16 10:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/06/16 10:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/06/16 10:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/06/16 10:44	1
Styrene	ND		1.0	0.73	ug/L			12/06/16 10:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/06/16 10:44	1
Toluene	ND		1.0	0.51	ug/L			12/06/16 10:44	1
trans-1,2-Dichloroethene	5.2		1.0	0.90	ug/L			12/06/16 10:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/06/16 10:44	1
Trichloroethene	74		1.0	0.46	ug/L			12/06/16 10:44	1
Vinyl chloride	8.0		1.0	0.90	ug/L			12/06/16 10:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/06/16 10:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	103		77 - 120						1
Toluene-d8 (Surr)	95		80 - 120						1
4-Bromofluorobenzene (Surr)	87		73 - 120						1
Dibromofluoromethane (Surr)	106		75 - 123						1

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110382-1
 SDG: 480-110382-1

Client Sample ID: Influent 120116

Date Collected: 12/01/16 07:17

Date Received: 12/02/16 09:30

Lab Sample ID: 480-110382-4

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	18		2.0	1.6	ug/L			12/06/16 11:08	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			12/06/16 11:08	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			12/06/16 11:08	2
1,1-Dichloroethane	5.6		2.0	0.76	ug/L			12/06/16 11:08	2
1,1-Dichloroethene	1.5 J		2.0	0.58	ug/L			12/06/16 11:08	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			12/06/16 11:08	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			12/06/16 11:08	2
2-Hexanone	ND		10	2.5	ug/L			12/06/16 11:08	2
2-Butanone (MEK)	ND		20	2.6	ug/L			12/06/16 11:08	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			12/06/16 11:08	2
Acetone	ND		20	6.0	ug/L			12/06/16 11:08	2
Benzene	ND		2.0	0.82	ug/L			12/06/16 11:08	2
Bromodichloromethane	ND		2.0	0.78	ug/L			12/06/16 11:08	2
Bromoform	ND		2.0	0.52	ug/L			12/06/16 11:08	2
Bromomethane	ND		2.0	1.4	ug/L			12/06/16 11:08	2
Carbon disulfide	ND		2.0	0.38	ug/L			12/06/16 11:08	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			12/06/16 11:08	2
Chlorobenzene	ND		2.0	1.5	ug/L			12/06/16 11:08	2
Dibromochloromethane	ND		2.0	0.64	ug/L			12/06/16 11:08	2
Chloroethane	ND		2.0	0.64	ug/L			12/06/16 11:08	2
Chloroform	ND		2.0	0.68	ug/L			12/06/16 11:08	2
Chloromethane	ND		2.0	0.70	ug/L			12/06/16 11:08	2
cis-1,2-Dichloroethene	46		2.0	1.6	ug/L			12/06/16 11:08	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			12/06/16 11:08	2
Ethylbenzene	ND		2.0	1.5	ug/L			12/06/16 11:08	2
Methylene Chloride	ND		2.0	0.88	ug/L			12/06/16 11:08	2
Styrene	ND		2.0	1.5	ug/L			12/06/16 11:08	2
Tetrachloroethene	ND		2.0	0.72	ug/L			12/06/16 11:08	2
Toluene	ND		2.0	1.0	ug/L			12/06/16 11:08	2
trans-1,2-Dichloroethene	7.2		2.0	1.8	ug/L			12/06/16 11:08	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			12/06/16 11:08	2
Trichloroethene	89		2.0	0.92	ug/L			12/06/16 11:08	2
Vinyl chloride	7.0		2.0	1.8	ug/L			12/06/16 11:08	2
Xylenes, Total	ND		4.0	1.3	ug/L			12/06/16 11:08	2
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106			77 - 120				12/06/16 11:08	2
Toluene-d8 (Surr)	95			80 - 120				12/06/16 11:08	2
4-Bromofluorobenzene (Surr)	86			73 - 120				12/06/16 11:08	2
Dibromofluoromethane (Surr)	108			75 - 123				12/06/16 11:08	2

TestAmerica Buffalo

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110382-1
SDG: 480-110382-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (77-120)	TOL (80-120)	BFB (73-120)	DBFM (75-123)
480-110382-1	Trip Blank 120116	103	94	88	100
480-110382-2	Effluent 120116	100	96	85	97
480-110382-3	Mixing Tank 120116	103	95	87	106
480-110382-4	Influent 120116	106	95	86	108
LCS 480-334868/4	Lab Control Sample	97	96	86	96
MB 480-334868/6	Method Blank	104	93	88	104

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110382-1
 SDG: 480-110382-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-334868/6

Matrix: Water

Analysis Batch: 334868

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	Dil Fac						
	Result	Qualifier		RL	MDL	Unit	D	Prepared	Analyzed
1,1,1-Trichloroethane	ND		1	1.0	0.82	ug/L		12/06/16 09:44	1
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.21	ug/L		12/06/16 09:44	1
1,1,2-Trichloroethane	ND		1	1.0	0.23	ug/L		12/06/16 09:44	1
1,1-Dichloroethane	ND		1	1.0	0.38	ug/L		12/06/16 09:44	1
1,1-Dichloroethene	ND		1	1.0	0.29	ug/L		12/06/16 09:44	1
1,2-Dichloroethane	ND		1	1.0	0.21	ug/L		12/06/16 09:44	1
1,2-Dichloropropane	ND		1	1.0	0.72	ug/L		12/06/16 09:44	1
2-Hexanone	ND		1	5.0	1.2	ug/L		12/06/16 09:44	1
2-Butanone (MEK)	ND		1	10	1.3	ug/L		12/06/16 09:44	1
4-Methyl-2-pentanone (MIBK)	ND		1	5.0	2.1	ug/L		12/06/16 09:44	1
Acetone	ND		1	10	3.0	ug/L		12/06/16 09:44	1
Benzene	ND		1	1.0	0.41	ug/L		12/06/16 09:44	1
Bromodichloromethane	ND		1	1.0	0.39	ug/L		12/06/16 09:44	1
Bromoform	ND		1	1.0	0.26	ug/L		12/06/16 09:44	1
Bromomethane	ND		1	1.0	0.69	ug/L		12/06/16 09:44	1
Carbon disulfide	0.294	J	1	1.0	0.19	ug/L		12/06/16 09:44	1
Carbon tetrachloride	ND		1	1.0	0.27	ug/L		12/06/16 09:44	1
Chlorobenzene	ND		1	1.0	0.75	ug/L		12/06/16 09:44	1
Dibromochloromethane	ND		1	1.0	0.32	ug/L		12/06/16 09:44	1
Chloroethane	ND		1	1.0	0.32	ug/L		12/06/16 09:44	1
Chloroform	ND		1	1.0	0.34	ug/L		12/06/16 09:44	1
Chloromethane	ND		1	1.0	0.35	ug/L		12/06/16 09:44	1
cis-1,2-Dichloroethene	ND		1	1.0	0.81	ug/L		12/06/16 09:44	1
cis-1,3-Dichloropropene	ND		1	1.0	0.36	ug/L		12/06/16 09:44	1
Ethylbenzene	ND		1	1.0	0.74	ug/L		12/06/16 09:44	1
Methylene Chloride	ND		1	1.0	0.44	ug/L		12/06/16 09:44	1
Styrene	ND		1	1.0	0.73	ug/L		12/06/16 09:44	1
Tetrachloroethene	ND		1	1.0	0.36	ug/L		12/06/16 09:44	1
Toluene	ND		1	1.0	0.51	ug/L		12/06/16 09:44	1
trans-1,2-Dichloroethene	ND		1	1.0	0.90	ug/L		12/06/16 09:44	1
trans-1,3-Dichloropropene	ND		1	1.0	0.37	ug/L		12/06/16 09:44	1
Trichloroethene	ND		1	1.0	0.46	ug/L		12/06/16 09:44	1
Vinyl chloride	ND		1	1.0	0.90	ug/L		12/06/16 09:44	1
Xylenes, Total	ND		1	2.0	0.66	ug/L		12/06/16 09:44	1

Surrogate	MB	MB	Dil Fac				
	%Recovery	Qualifier		Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		1	77 - 120		12/06/16 09:44	1
Toluene-d8 (Surr)	93		1	80 - 120		12/06/16 09:44	1
4-Bromofluorobenzene (Surr)	88		1	73 - 120		12/06/16 09:44	1
Dibromofluoromethane (Surr)	104		1	75 - 123		12/06/16 09:44	1

Lab Sample ID: LCS 480-334868/4

Matrix: Water

Analysis Batch: 334868

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike		LCS	LCS	Unit	D	%Rec	Limits	Dil Fac
	Added	Result	Qualifier	Unit					
1,1,1-Trichloroethane	25.0	24.2		ug/L		97	73 - 126		
1,1,2,2-Tetrachloroethane	25.0	25.1		ug/L		100	76 - 120		

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110382-1
 SDG: 480-110382-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-334868/4

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 334868

Analyte	Spike	LCS		Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				
1,1,2-Trichloroethane	25.0	24.0		ug/L	96	76 - 122	
1,1-Dichloroethane	25.0	23.6		ug/L	94	77 - 120	
1,1-Dichloroethene	25.0	23.4		ug/L	93	66 - 127	
1,2-Dichloroethane	25.0	23.8		ug/L	95	75 - 120	
1,2-Dichloropropane	25.0	24.0		ug/L	96	76 - 120	
2-Hexanone	125	120		ug/L	96	65 - 127	
2-Butanone (MEK)	125	127		ug/L	102	57 - 140	
4-Methyl-2-pentanone (MIBK)	125	126		ug/L	101	71 - 125	
Acetone	125	150		ug/L	120	56 - 142	
Benzene	25.0	23.5		ug/L	94	71 - 124	
Bromodichloromethane	25.0	24.7		ug/L	99	80 - 122	
Bromoform	25.0	23.6		ug/L	94	61 - 132	
Bromomethane	25.0	22.9		ug/L	91	55 - 144	
Carbon disulfide	25.0	23.2		ug/L	93	59 - 134	
Carbon tetrachloride	25.0	25.0		ug/L	100	72 - 134	
Chlorobenzene	25.0	23.5		ug/L	94	80 - 120	
Dibromochloromethane	25.0	25.2		ug/L	101	75 - 125	
Chloroethane	25.0	21.8		ug/L	87	69 - 136	
Chloroform	25.0	23.2		ug/L	93	73 - 127	
Chloromethane	25.0	19.6		ug/L	78	68 - 124	
cis-1,2-Dichloroethene	25.0	23.7		ug/L	95	74 - 124	
cis-1,3-Dichloropropene	25.0	23.3		ug/L	93	74 - 124	
Ethylbenzene	25.0	24.7		ug/L	99	77 - 123	
Methylene Chloride	25.0	23.0		ug/L	92	75 - 124	
Styrene	25.0	24.8		ug/L	99	80 - 120	
Tetrachloroethene	25.0	23.2		ug/L	93	74 - 122	
Toluene	25.0	24.1		ug/L	96	80 - 122	
trans-1,2-Dichloroethene	25.0	22.3		ug/L	89	73 - 127	
trans-1,3-Dichloropropene	25.0	24.5		ug/L	98	80 - 120	
Trichloroethene	25.0	23.6		ug/L	95	74 - 123	
Vinyl chloride	25.0	22.0		ug/L	88	65 - 133	
Xylenes, Total	50.0	48.5		ug/L	97	76 - 122	

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	97		77 - 120
Toluene-d8 (Surr)	96		80 - 120
4-Bromofluorobenzene (Surr)	86		73 - 120
Dibromofluoromethane (Surr)	96		75 - 123

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110382-1
SDG: 480-110382-1

GC/MS VOA

Analysis Batch: 334868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110382-1	Trip Blank 120116	Total/NA	Water	8260C	
480-110382-2	Effluent 120116	Total/NA	Water	8260C	
480-110382-3	Mixing Tank 120116	Total/NA	Water	8260C	
480-110382-4	Influent 120116	Total/NA	Water	8260C	
MB 480-334868/6	Method Blank	Total/NA	Water	8260C	
LCS 480-334868/4	Lab Control Sample	Total/NA	Water	8260C	

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110382-1
SDG: 480-110382-1

Client Sample ID: Trip Blank 120116

Date Collected: 12/01/16 00:00

Date Received: 12/02/16 09:30

Lab Sample ID: 480-110382-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	334868	12/06/16 11:31	RRS	TAL BUF

Client Sample ID: Effluent 120116

Date Collected: 12/01/16 07:10

Date Received: 12/02/16 09:30

Lab Sample ID: 480-110382-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	334868	12/06/16 10:20	RRS	TAL BUF

Client Sample ID: Mixing Tank 120116

Date Collected: 12/01/16 07:14

Date Received: 12/02/16 09:30

Lab Sample ID: 480-110382-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	334868	12/06/16 10:44	RRS	TAL BUF

Client Sample ID: Influent 120116

Date Collected: 12/01/16 07:17

Date Received: 12/02/16 09:30

Lab Sample ID: 480-110382-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	334868	12/06/16 11:08	RRS	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110382-1
 SDG: 480-110382-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17
Georgia	State Program	4	956	03-31-17
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-17 *
Kansas	NELAP	7	E-10187	11-30-16 *
Kentucky (DW)	State Program	4	90029	12-31-16 *
Kentucky (UST)	State Program	4	30	03-31-17
Kentucky (WW)	State Program	4	90029	12-31-16 *
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-18
Maryland	State Program	3	294	03-31-17
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17
Minnesota	NELAP	5	036-999-337	12-31-16 *
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-17
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17
North Dakota	State Program	8	R-176	03-31-17
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-16 *
Tennessee	State Program	4	TN02970	03-31-17
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-17 *
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

TestAmerica Buffalo

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110382-1
SDG: 480-110382-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110382-1
SDG: 480-110382-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-110382-1	Trip Blank 120116	Water	12/01/16 00:00	12/02/16 09:30
480-110382-2	Effluent 120116	Water	12/01/16 07:10	12/02/16 09:30
480-110382-3	Mixing Tank 120116	Water	12/01/16 07:14	12/02/16 09:30
480-110382-4	Influent 120116	Water	12/01/16 07:17	12/02/16 09:30

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

TestAmerica Buffalo

CINCINNATI 450034553
210501 Chain of Custody Record

TestAmerica

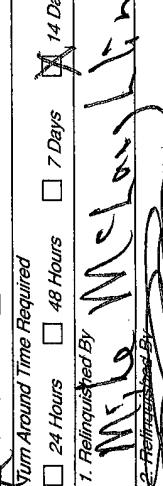
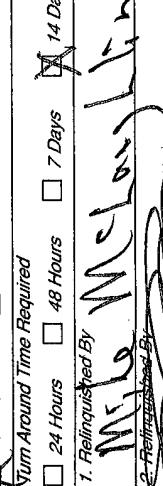
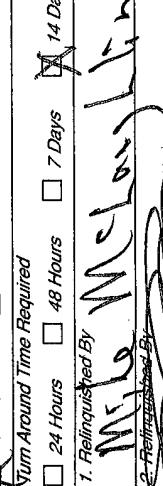
Temperature on Receipt _____

Drinking Water? Yes No

THE LEADER IN ENVIRONMENTAL TESTING

480-110382 COC

TAL-4124 (1007)

Client Name Address City State Project Name and Location (State) Contract/Purchase Order/Quote No.	Project Manager Name Telephone Number /Area Code/Fax Number Site Contact Name Carrier/Waybill Number Contract/Purchase Order/Quote No.	Date 12-1-16	Chain of Custody Number 291288																									
		Lab Number 1 of 1	Page 1 of 1																									
Special Instructions/ Conditions of Receipt																												
<p>(S0098) VOC (810)</p> <table border="1"> <thead> <tr> <th>Sample I.D. No. and Description (Containers for each sample may be combined on one line)</th> <th>Date</th> <th>Time</th> <th>Matrix</th> <th>Containers & Preservatives</th> </tr> </thead> <tbody> <tr> <td>Top Blank 120116</td> <td>12-1-16</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>130116</td> <td>7:10</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Mixing Tank 120116</td> <td>7:14</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Thinner</td> <td>7:17</td> <td>X</td> <td></td> <td></td> </tr> </tbody> </table>				Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix	Containers & Preservatives	Top Blank 120116	12-1-16	X			130116	7:10	X			Mixing Tank 120116	7:14	X			Thinner	7:17	X		
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix	Containers & Preservatives																								
Top Blank 120116	12-1-16	X																										
130116	7:10	X																										
Mixing Tank 120116	7:14	X																										
Thinner	7:17	X																										
<p>Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months</p>																												
<p>Turn Around Time Required <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input checked="" type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____</p>																												
<p>1. Relinquished By  Date 12/1/16 Time 12:06 2. Received By  Date 12/2/16 Time 22:17 3. Received By  Date 12/2/16 Time 09:30 </p>																												
<p>Comments _____</p>																												

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-110382-1

SDG Number: 480-110382-1

Login Number: 110382

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OB&G
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-111211-1

TestAmerica Sample Delivery Group: 480-111211-1

Client Project/Site: GE - IRM

For:

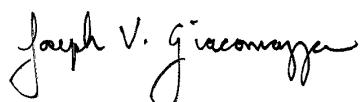
O'Brien & Gere Inc of North America

8805 Governor's Hill Dr.

Ste. 164

Cincinnati, Ohio 45249

Attn: Chase Forman



Authorized for release by:

1/3/2017 2:16:53 PM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?

Ask
The
Expert

Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
Surrogate Summary	10
QC Sample Results	11
QC Association Summary	15
Lab Chronicle	16
Certification Summary	17
Method Summary	18
Sample Summary	19
Chain of Custody	20
Receipt Checklists	21

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111211-1
SDG: 480-111211-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

%	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111211-1
SDG: 480-111211-1

Job ID: 480-111211-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-111211-1

Receipt

The samples were received on 12/16/2016 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.8° C.

GC/MS VOA

Method(s) 8260C: The following sample was collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: Effluent 121516 (480-111211-2).

The sample was analyzed within 7 days per EPA recommendation.

Method(s) 8260C: Surrogate recovery for the following sample was outside the upper control limit: Trip Blank (480-111211-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed. The following sample was impacted: Trip Blank (480-111211-1).

Method(s) 8260C: The surrogate Dibromofluoromethane in the CCVIS associated with analytical batch 480-337041 was outside the 20%D limit but was within laboratory limits. The following sample is impacted: Trip Blank (480-111211-1) and Effluent 121516 (480-111211-2).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-337041 recovered above the upper control limit for Carbon tetrachloride and 1,1,1-Trichloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: Trip Blank (480-111211-1) and Effluent 121516 (480-111211-2).

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent 121516 (480-111211-4). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: Influent 121516 (480-111211-4). The sample was analyzed within 7 days per EPA recommendation.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-337189 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated sample was non-detect for this analyte, the data have been reported. Mixing Tank 121516 (480-111211-3) and Influent 121516 (480-111211-4).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-337189 recovered outside control limits for the following analytes: Bromoform. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. Mixing Tank 121516 (480-111211-3) and Influent 121516 (480-111211-4).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111211-1
SDG: 480-111211-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-111211-1

No Detections.

Client Sample ID: Effluent 121516

Lab Sample ID: 480-111211-2

No Detections.

Client Sample ID: Mixing Tank 121516

Lab Sample ID: 480-111211-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	20		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	5.5		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.5		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	37		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.40	J	1.0	0.36	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	4.5		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	79		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	5.9		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: Influent 121516

Lab Sample ID: 480-111211-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	16		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	4.1		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.2	J	2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	57		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	7.9		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	94		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	15		2.0	1.8	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-111211-1
 SDG: 480-111211-1

Client Sample ID: Trip Blank

Date Collected: 12/15/16 00:00

Date Received: 12/16/16 10:00

Lab Sample ID: 480-111211-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/19/16 17:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/19/16 17:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/19/16 17:07	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/19/16 17:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/19/16 17:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/19/16 17:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/19/16 17:07	1
2-Hexanone	ND		5.0	1.2	ug/L			12/19/16 17:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/19/16 17:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/19/16 17:07	1
Acetone	ND		10	3.0	ug/L			12/19/16 17:07	1
Benzene	ND		1.0	0.41	ug/L			12/19/16 17:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/19/16 17:07	1
Bromoform	ND		1.0	0.26	ug/L			12/19/16 17:07	1
Bromomethane	ND		1.0	0.69	ug/L			12/19/16 17:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/19/16 17:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/19/16 17:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/19/16 17:07	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/19/16 17:07	1
Chloroethane	ND		1.0	0.32	ug/L			12/19/16 17:07	1
Chloroform	ND		1.0	0.34	ug/L			12/19/16 17:07	1
Chloromethane	ND		1.0	0.35	ug/L			12/19/16 17:07	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/19/16 17:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/19/16 17:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/19/16 17:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/19/16 17:07	1
Styrene	ND		1.0	0.73	ug/L			12/19/16 17:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/19/16 17:07	1
Toluene	ND		1.0	0.51	ug/L			12/19/16 17:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/19/16 17:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/19/16 17:07	1
Trichloroethene	ND		1.0	0.46	ug/L			12/19/16 17:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/19/16 17:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/19/16 17:07	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	124	X		77 - 120				12/19/16 17:07	1
Toluene-d8 (Surr)	102			80 - 120				12/19/16 17:07	1
4-Bromofluorobenzene (Surr)	102			73 - 120				12/19/16 17:07	1
Dibromofluoromethane (Surr)	128	X		75 - 123				12/19/16 17:07	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-111211-1
 SDG: 480-111211-1

Client Sample ID: Effluent 121516

Date Collected: 12/15/16 13:25
 Date Received: 12/16/16 10:00

Lab Sample ID: 480-111211-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/19/16 15:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/19/16 15:46	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/19/16 15:46	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/19/16 15:46	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/19/16 15:46	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/19/16 15:46	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/19/16 15:46	1
2-Hexanone	ND		5.0	1.2	ug/L			12/19/16 15:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/19/16 15:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/19/16 15:46	1
Acetone	ND		10	3.0	ug/L			12/19/16 15:46	1
Benzene	ND		1.0	0.41	ug/L			12/19/16 15:46	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/19/16 15:46	1
Bromoform	ND		1.0	0.26	ug/L			12/19/16 15:46	1
Bromomethane	ND		1.0	0.69	ug/L			12/19/16 15:46	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/19/16 15:46	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/19/16 15:46	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/19/16 15:46	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/19/16 15:46	1
Chloroethane	ND		1.0	0.32	ug/L			12/19/16 15:46	1
Chloroform	ND		1.0	0.34	ug/L			12/19/16 15:46	1
Chloromethane	ND		1.0	0.35	ug/L			12/19/16 15:46	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/19/16 15:46	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/19/16 15:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/19/16 15:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/19/16 15:46	1
Styrene	ND		1.0	0.73	ug/L			12/19/16 15:46	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/19/16 15:46	1
Toluene	ND		1.0	0.51	ug/L			12/19/16 15:46	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/19/16 15:46	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/19/16 15:46	1
Trichloroethene	ND		1.0	0.46	ug/L			12/19/16 15:46	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/19/16 15:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/19/16 15:46	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119			77 - 120				12/19/16 15:46	1
Toluene-d8 (Surr)	104			80 - 120				12/19/16 15:46	1
4-Bromofluorobenzene (Surr)	106			73 - 120				12/19/16 15:46	1
Dibromofluoromethane (Surr)	122			75 - 123				12/19/16 15:46	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-111211-1
 SDG: 480-111211-1

Client Sample ID: Mixing Tank 121516

Lab Sample ID: 480-111211-3

Matrix: Water

Date Collected: 12/15/16 13:30
 Date Received: 12/16/16 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	20		1.0	0.82	ug/L			12/19/16 23:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/19/16 23:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/19/16 23:53	1
1,1-Dichloroethane	5.5		1.0	0.38	ug/L			12/19/16 23:53	1
1,1-Dichloroethene	1.5		1.0	0.29	ug/L			12/19/16 23:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/19/16 23:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/19/16 23:53	1
2-Hexanone	ND		5.0	1.2	ug/L			12/19/16 23:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/19/16 23:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/19/16 23:53	1
Acetone	ND		10	3.0	ug/L			12/19/16 23:53	1
Benzene	ND		1.0	0.41	ug/L			12/19/16 23:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/19/16 23:53	1
Bromoform	ND *		1.0	0.26	ug/L			12/19/16 23:53	1
Bromomethane	ND		1.0	0.69	ug/L			12/19/16 23:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/19/16 23:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/19/16 23:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/19/16 23:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/19/16 23:53	1
Chloroethane	ND		1.0	0.32	ug/L			12/19/16 23:53	1
Chloroform	ND		1.0	0.34	ug/L			12/19/16 23:53	1
Chloromethane	ND		1.0	0.35	ug/L			12/19/16 23:53	1
cis-1,2-Dichloroethene	37		1.0	0.81	ug/L			12/19/16 23:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/19/16 23:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/19/16 23:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/19/16 23:53	1
Styrene	ND		1.0	0.73	ug/L			12/19/16 23:53	1
Tetrachloroethene	0.40 J		1.0	0.36	ug/L			12/19/16 23:53	1
Toluene	ND		1.0	0.51	ug/L			12/19/16 23:53	1
trans-1,2-Dichloroethene	4.5		1.0	0.90	ug/L			12/19/16 23:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/19/16 23:53	1
Trichloroethene	79		1.0	0.46	ug/L			12/19/16 23:53	1
Vinyl chloride	5.9		1.0	0.90	ug/L			12/19/16 23:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/19/16 23:53	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112			77 - 120				12/19/16 23:53	1
Toluene-d8 (Surr)	103			80 - 120				12/19/16 23:53	1
4-Bromofluorobenzene (Surr)	107			73 - 120				12/19/16 23:53	1
Dibromofluoromethane (Surr)	118			75 - 123				12/19/16 23:53	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-111211-1
 SDG: 480-111211-1

Client Sample ID: Influent 121516

Lab Sample ID: 480-111211-4

Matrix: Water

Date Collected: 12/15/16 13:33
 Date Received: 12/16/16 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	16		2.0	1.6	ug/L			12/20/16 00:20	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			12/20/16 00:20	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			12/20/16 00:20	2
1,1-Dichloroethane	4.1		2.0	0.76	ug/L			12/20/16 00:20	2
1,1-Dichloroethene	1.2 J		2.0	0.58	ug/L			12/20/16 00:20	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			12/20/16 00:20	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			12/20/16 00:20	2
2-Hexanone	ND		10	2.5	ug/L			12/20/16 00:20	2
2-Butanone (MEK)	ND		20	2.6	ug/L			12/20/16 00:20	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			12/20/16 00:20	2
Acetone	ND		20	6.0	ug/L			12/20/16 00:20	2
Benzene	ND		2.0	0.82	ug/L			12/20/16 00:20	2
Bromodichloromethane	ND		2.0	0.78	ug/L			12/20/16 00:20	2
Bromoform	ND *		2.0	0.52	ug/L			12/20/16 00:20	2
Bromomethane	ND		2.0	1.4	ug/L			12/20/16 00:20	2
Carbon disulfide	ND		2.0	0.38	ug/L			12/20/16 00:20	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			12/20/16 00:20	2
Chlorobenzene	ND		2.0	1.5	ug/L			12/20/16 00:20	2
Dibromochloromethane	ND		2.0	0.64	ug/L			12/20/16 00:20	2
Chloroethane	ND		2.0	0.64	ug/L			12/20/16 00:20	2
Chloroform	ND		2.0	0.68	ug/L			12/20/16 00:20	2
Chloromethane	ND		2.0	0.70	ug/L			12/20/16 00:20	2
cis-1,2-Dichloroethene	57		2.0	1.6	ug/L			12/20/16 00:20	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			12/20/16 00:20	2
Ethylbenzene	ND		2.0	1.5	ug/L			12/20/16 00:20	2
Methylene Chloride	ND		2.0	0.88	ug/L			12/20/16 00:20	2
Styrene	ND		2.0	1.5	ug/L			12/20/16 00:20	2
Tetrachloroethene	ND		2.0	0.72	ug/L			12/20/16 00:20	2
Toluene	ND		2.0	1.0	ug/L			12/20/16 00:20	2
trans-1,2-Dichloroethene	7.9		2.0	1.8	ug/L			12/20/16 00:20	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			12/20/16 00:20	2
Trichloroethene	94		2.0	0.92	ug/L			12/20/16 00:20	2
Vinyl chloride	15		2.0	1.8	ug/L			12/20/16 00:20	2
Xylenes, Total	ND		4.0	1.3	ug/L			12/20/16 00:20	2
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112			77 - 120				12/20/16 00:20	2
Toluene-d8 (Surr)	101			80 - 120				12/20/16 00:20	2
4-Bromofluorobenzene (Surr)	105			73 - 120				12/20/16 00:20	2
Dibromofluoromethane (Surr)	115			75 - 123				12/20/16 00:20	2

TestAmerica Buffalo

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111211-1
SDG: 480-111211-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	12DCE (77-120)	TOL (80-120)	BFB (73-120)	DBFM (75-123)				
480-111211-1	Trip Blank	124 X	102	102	128 X				
480-111211-2	Effluent 121516	119	104	106	122				
480-111211-3	Mixing Tank 121516	112	103	107	118				
480-111211-4	Influent 121516	112	101	105	115				
LCS 480-337041/5	Lab Control Sample	117	100	112	122				
LCS 480-337189/5	Lab Control Sample	108	101	117	112				
MB 480-337041/7	Method Blank	115	104	109	121				
MB 480-337189/7	Method Blank	106	105	112	116				

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111211-1
SDG: 480-111211-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-337041/7

Matrix: Water

Analysis Batch: 337041

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier				
1,1,1-Trichloroethane	ND		1.0	0.82 ug/L	12/19/16 11:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21 ug/L	12/19/16 11:48	1
1,1,2-Trichloroethane	ND		1.0	0.23 ug/L	12/19/16 11:48	1
1,1-Dichloroethane	ND		1.0	0.38 ug/L	12/19/16 11:48	1
1,1-Dichloroethene	ND		1.0	0.29 ug/L	12/19/16 11:48	1
1,2-Dichloroethane	ND		1.0	0.21 ug/L	12/19/16 11:48	1
1,2-Dichloropropane	ND		1.0	0.72 ug/L	12/19/16 11:48	1
2-Hexanone	ND		5.0	1.2 ug/L	12/19/16 11:48	1
2-Butanone (MEK)	ND		10	1.3 ug/L	12/19/16 11:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1 ug/L	12/19/16 11:48	1
Acetone	ND		10	3.0 ug/L	12/19/16 11:48	1
Benzene	ND		1.0	0.41 ug/L	12/19/16 11:48	1
Bromodichloromethane	ND		1.0	0.39 ug/L	12/19/16 11:48	1
Bromoform	ND		1.0	0.26 ug/L	12/19/16 11:48	1
Bromomethane	ND		1.0	0.69 ug/L	12/19/16 11:48	1
Carbon disulfide	ND		1.0	0.19 ug/L	12/19/16 11:48	1
Carbon tetrachloride	ND		1.0	0.27 ug/L	12/19/16 11:48	1
Chlorobenzene	ND		1.0	0.75 ug/L	12/19/16 11:48	1
Dibromochloromethane	ND		1.0	0.32 ug/L	12/19/16 11:48	1
Chloroethane	ND		1.0	0.32 ug/L	12/19/16 11:48	1
Chloroform	ND		1.0	0.34 ug/L	12/19/16 11:48	1
Chloromethane	ND		1.0	0.35 ug/L	12/19/16 11:48	1
cis-1,2-Dichloroethene	ND		1.0	0.81 ug/L	12/19/16 11:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36 ug/L	12/19/16 11:48	1
Ethylbenzene	ND		1.0	0.74 ug/L	12/19/16 11:48	1
Methylene Chloride	ND		1.0	0.44 ug/L	12/19/16 11:48	1
Styrene	ND		1.0	0.73 ug/L	12/19/16 11:48	1
Tetrachloroethene	ND		1.0	0.36 ug/L	12/19/16 11:48	1
Toluene	ND		1.0	0.51 ug/L	12/19/16 11:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90 ug/L	12/19/16 11:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37 ug/L	12/19/16 11:48	1
Trichloroethene	ND		1.0	0.46 ug/L	12/19/16 11:48	1
Vinyl chloride	ND		1.0	0.90 ug/L	12/19/16 11:48	1
Xylenes, Total	ND		2.0	0.66 ug/L	12/19/16 11:48	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	115		77 - 120		12/19/16 11:48	1
Toluene-d8 (Surr)	104		80 - 120		12/19/16 11:48	1
4-Bromofluorobenzene (Surr)	109		73 - 120		12/19/16 11:48	1
Dibromofluoromethane (Surr)	121		75 - 123		12/19/16 11:48	1

Lab Sample ID: LCS 480-337041/5

Matrix: Water

Analysis Batch: 337041

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits
	Added	Result	Qualifier				
1,1,1-Trichloroethane	25.0	28.6		ug/L	115	73 - 126	
1,1,2,2-Tetrachloroethane	25.0	21.2		ug/L	85	76 - 120	

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-111211-1
 SDG: 480-111211-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-337041/5

Matrix: Water

Analysis Batch: 337041

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS		Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				
1,1,2-Trichloroethane	25.0	23.8		ug/L		95	76 - 122
1,1-Dichloroethane	25.0	23.8		ug/L		95	77 - 120
1,1-Dichloroethene	25.0	25.1		ug/L		100	66 - 127
1,2-Dichloroethane	25.0	28.8		ug/L		115	75 - 120
1,2-Dichloropropane	25.0	26.1		ug/L		104	76 - 120
2-Hexanone	125	117		ug/L		94	65 - 127
2-Butanone (MEK)	125	121		ug/L		97	57 - 140
4-Methyl-2-pentanone (MIBK)	125	110		ug/L		88	71 - 125
Acetone	125	130		ug/L		104	56 - 142
Benzene	25.0	24.2		ug/L		97	71 - 124
Bromodichloromethane	25.0	28.7		ug/L		115	80 - 122
Bromoform	25.0	32.2		ug/L		129	61 - 132
Bromomethane	25.0	27.0		ug/L		108	55 - 144
Carbon disulfide	25.0	24.9		ug/L		99	59 - 134
Carbon tetrachloride	25.0	30.0		ug/L		120	72 - 134
Chlorobenzene	25.0	24.6		ug/L		99	80 - 120
Dibromochloromethane	25.0	28.5		ug/L		114	75 - 125
Chloroethane	25.0	28.9		ug/L		115	69 - 136
Chloroform	25.0	26.3		ug/L		105	73 - 127
Chloromethane	25.0	19.6		ug/L		79	68 - 124
cis-1,2-Dichloroethene	25.0	26.5		ug/L		106	74 - 124
cis-1,3-Dichloropropene	25.0	29.5		ug/L		118	74 - 124
Ethylbenzene	25.0	24.4		ug/L		97	77 - 123
Methylene Chloride	25.0	26.5		ug/L		106	75 - 124
Styrene	25.0	25.6		ug/L		103	80 - 120
Tetrachloroethene	25.0	25.3		ug/L		101	74 - 122
Toluene	25.0	22.9		ug/L		92	80 - 122
trans-1,2-Dichloroethene	25.0	24.8		ug/L		99	73 - 127
trans-1,3-Dichloropropene	25.0	25.8		ug/L		103	80 - 120
Trichloroethene	25.0	26.3		ug/L		105	74 - 123
Vinyl chloride	25.0	21.8		ug/L		87	65 - 133
Xylenes, Total	50.0	48.9		ug/L		98	76 - 122

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	117		77 - 120
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	112		73 - 120
Dibromofluoromethane (Surr)	122		75 - 123

Lab Sample ID: MB 480-337189/7

Matrix: Water

Analysis Batch: 337189

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/19/16 23:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/19/16 23:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/19/16 23:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/19/16 23:02	1

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-111211-1
 SDG: 480-111211-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-337189/7

Matrix: Water

Analysis Batch: 337189

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier									
1,1-Dichloroethene	ND				1.0	0.29	ug/L			12/19/16 23:02	1
1,2-Dichloroethane	ND				1.0	0.21	ug/L			12/19/16 23:02	1
1,2-Dichloropropane	ND				1.0	0.72	ug/L			12/19/16 23:02	1
2-Hexanone	ND				5.0	1.2	ug/L			12/19/16 23:02	1
2-Butanone (MEK)	ND				10	1.3	ug/L			12/19/16 23:02	1
4-Methyl-2-pentanone (MIBK)	ND				5.0	2.1	ug/L			12/19/16 23:02	1
Acetone	ND				10	3.0	ug/L			12/19/16 23:02	1
Benzene	ND				1.0	0.41	ug/L			12/19/16 23:02	1
Bromodichloromethane	ND				1.0	0.39	ug/L			12/19/16 23:02	1
Bromoform	ND				1.0	0.26	ug/L			12/19/16 23:02	1
Bromomethane	ND				1.0	0.69	ug/L			12/19/16 23:02	1
Carbon disulfide	ND				1.0	0.19	ug/L			12/19/16 23:02	1
Carbon tetrachloride	ND				1.0	0.27	ug/L			12/19/16 23:02	1
Chlorobenzene	ND				1.0	0.75	ug/L			12/19/16 23:02	1
Dibromochloromethane	ND				1.0	0.32	ug/L			12/19/16 23:02	1
Chloroethane	ND				1.0	0.32	ug/L			12/19/16 23:02	1
Chloroform	ND				1.0	0.34	ug/L			12/19/16 23:02	1
Chloromethane	ND				1.0	0.35	ug/L			12/19/16 23:02	1
cis-1,2-Dichloroethene	ND				1.0	0.81	ug/L			12/19/16 23:02	1
cis-1,3-Dichloropropene	ND				1.0	0.36	ug/L			12/19/16 23:02	1
Ethylbenzene	ND				1.0	0.74	ug/L			12/19/16 23:02	1
Methylene Chloride	ND				1.0	0.44	ug/L			12/19/16 23:02	1
Styrene	ND				1.0	0.73	ug/L			12/19/16 23:02	1
Tetrachloroethene	ND				1.0	0.36	ug/L			12/19/16 23:02	1
Toluene	ND				1.0	0.51	ug/L			12/19/16 23:02	1
trans-1,2-Dichloroethene	ND				1.0	0.90	ug/L			12/19/16 23:02	1
trans-1,3-Dichloropropene	ND				1.0	0.37	ug/L			12/19/16 23:02	1
Trichloroethene	ND				1.0	0.46	ug/L			12/19/16 23:02	1
Vinyl chloride	ND				1.0	0.90	ug/L			12/19/16 23:02	1
Xylenes, Total	ND				2.0	0.66	ug/L			12/19/16 23:02	1

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,2-Dichloroethane-d4 (Surr)	106		106		77 - 120		12/19/16 23:02	1
Toluene-d8 (Surr)	105		105		80 - 120		12/19/16 23:02	1
4-Bromofluorobenzene (Surr)	112		112		73 - 120		12/19/16 23:02	1
Dibromofluoromethane (Surr)	116		116		75 - 123		12/19/16 23:02	1

Lab Sample ID: LCS 480-337189/5

Matrix: Water

Analysis Batch: 337189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	%Rec.		
	Added	Result	Qualifier	Unit	D	%Rec
1,1,1-Trichloroethane	25.0	27.2		ug/L	109	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.0		ug/L	88	76 - 120
1,1,2-Trichloroethane	25.0	24.7		ug/L	99	76 - 122
1,1-Dichloroethane	25.0	22.9		ug/L	92	77 - 120
1,1-Dichloroethene	25.0	23.2		ug/L	93	66 - 127
1,2-Dichloroethane	25.0	27.7		ug/L	111	75 - 120

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-111211-1
 SDG: 480-111211-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-337189/5

Matrix: Water

Analysis Batch: 337189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS		Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				
1,2-Dichloropropane	25.0	24.2		ug/L		97	76 - 120
2-Hexanone	125	125		ug/L		100	65 - 127
2-Butanone (MEK)	125	129		ug/L		103	57 - 140
4-Methyl-2-pentanone (MIBK)	125	112		ug/L		90	71 - 125
Acetone	125	158		ug/L		126	56 - 142
Benzene	25.0	23.3		ug/L		93	71 - 124
Bromodichloromethane	25.0	27.6		ug/L		110	80 - 122
Bromoform	25.0	33.4 *		ug/L		134	61 - 132
Bromomethane	25.0	18.6		ug/L		74	55 - 144
Carbon disulfide	25.0	27.4		ug/L		109	59 - 134
Carbon tetrachloride	25.0	28.1		ug/L		112	72 - 134
Chlorobenzene	25.0	25.3		ug/L		101	80 - 120
Dibromochloromethane	25.0	29.8		ug/L		119	75 - 125
Chloroethane	25.0	26.7		ug/L		107	69 - 136
Chloroform	25.0	25.4		ug/L		101	73 - 127
Chloromethane	25.0	18.2		ug/L		73	68 - 124
cis-1,2-Dichloroethene	25.0	26.0		ug/L		104	74 - 124
cis-1,3-Dichloropropene	25.0	26.8		ug/L		107	74 - 124
Ethylbenzene	25.0	24.8		ug/L		99	77 - 123
Methylene Chloride	25.0	25.2		ug/L		101	75 - 124
Styrene	25.0	26.6		ug/L		106	80 - 120
Tetrachloroethene	25.0	25.4		ug/L		102	74 - 122
Toluene	25.0	23.2		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	23.8		ug/L		95	73 - 127
trans-1,3-Dichloropropene	25.0	27.0		ug/L		108	80 - 120
Trichloroethene	25.0	25.5		ug/L		102	74 - 123
Vinyl chloride	25.0	20.0		ug/L		80	65 - 133
Xylenes, Total	50.0	49.6		ug/L		99	76 - 122

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	108		77 - 120
Toluene-d8 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	117		73 - 120
Dibromofluoromethane (Surr)	112		75 - 123

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111211-1
SDG: 480-111211-1

GC/MS VOA

Analysis Batch: 337041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-111211-1	Trip Blank	Total/NA	Water	8260C	
480-111211-2	Effluent 121516	Total/NA	Water	8260C	
MB 480-337041/7	Method Blank	Total/NA	Water	8260C	
LCS 480-337041/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 337189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-111211-3	Mixing Tank 121516	Total/NA	Water	8260C	
480-111211-4	Influent 121516	Total/NA	Water	8260C	
MB 480-337189/7	Method Blank	Total/NA	Water	8260C	
LCS 480-337189/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111211-1
SDG: 480-111211-1

Client Sample ID: Trip Blank

Date Collected: 12/15/16 00:00
Date Received: 12/16/16 10:00

Lab Sample ID: 480-111211-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	337041	12/19/16 17:07	RRS	TAL BUF

Client Sample ID: Effluent 121516

Date Collected: 12/15/16 13:25
Date Received: 12/16/16 10:00

Lab Sample ID: 480-111211-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	337041	12/19/16 15:46	RRS	TAL BUF

Client Sample ID: Mixing Tank 121516

Date Collected: 12/15/16 13:30
Date Received: 12/16/16 10:00

Lab Sample ID: 480-111211-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	337189	12/19/16 23:53	RJF	TAL BUF

Client Sample ID: Influent 121516

Date Collected: 12/15/16 13:33
Date Received: 12/16/16 10:00

Lab Sample ID: 480-111211-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	337189	12/20/16 00:20	RJF	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-111211-1
 SDG: 480-111211-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17 *
Georgia	State Program	4	956	03-31-17 *
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-17 *
Kansas	NELAP	7	E-10187	11-30-16 *
Kentucky (DW)	State Program	4	90029	12-31-16 *
Kentucky (UST)	State Program	4	30	03-31-17 *
Kentucky (WW)	State Program	4	90029	12-31-16 *
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-18
Maryland	State Program	3	294	03-31-17 *
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17 *
Minnesota	NELAP	5	036-999-337	12-31-17
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-17
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17 *
North Dakota	State Program	8	R-176	03-31-17 *
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-16 *
Tennessee	State Program	4	TN02970	03-31-17 *
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-17 *
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

TestAmerica Buffalo

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111211-1
SDG: 480-111211-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111211-1
SDG: 480-111211-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-111211-1	Trip Blank	Water	12/15/16 00:00	12/16/16 10:00
480-111211-2	Effluent 121516	Water	12/15/16 13:25	12/16/16 10:00
480-111211-3	Mixing Tank 121516	Water	12/15/16 13:30	12/16/16 10:00
480-111211-4	Influent 121516	Water	12/15/16 13:33	12/16/16 10:00

18003453

Chain of Custody Record

Buffalo

TestAmerica

TAL-4124 (1007)

Client:

O'Brien & Gere

Address:

8805 Government Hill Dr

City:

Cincinnati

State:

OH

Zip Code:

45249

Project Name and Location (State):

GE Trm (Ohio)

Contract/Purchase Order/Quote No.:

11311127

Sample I.D. No. and Description

(Containers for each sample may be combined on one line)

Tray Blank	12-15-16	Date	Time	Air
Effluent	12-15-16		13:25	X
Mixing Tank	12-15-16		13:30	X
Influent	12-15-16		13:33	X

Temperature on Receipt _____

Drinking Water? Yes No

THE LEADER IN ENVIRONMENTAL TESTING

210501

Project Manager: Robert Giovannetti
 Telephone Number (Area Code)/Fax Number: 956-664-9265
 Lab Contact: John Schone
 Carrier/Mailbox Number: (800) 824-0000

Chain of Custody Number: 291729
 Date: 12-15-16
 Lab Number: _____
 Page: 1 of 1

Analysis (Attach list if more space is needed)

Special Instructions/
 Conditions of Receipt

Containers &
 Preservatives

HORN
 ZADAR
 NAOH
 HCl
 HNO3
 H2SO4
 Urpresa
 SDS
 Sed
 Sloanby
 Air

480-111211 COC

(A fee may be assessed if samples are retained
 longer than 1 month)

Sample Disposal
 Return To Client
 Disposal By Lab
 Archive For _____ Months
 Ac Requirements (Specify)

Date: 12/15/16 Time: 14:00
 1. Received By: *John Schone* Date: 12/15/16 Time: 14:00
 2. Received By: *John Schone* Date: 12/16/16 Time: 14:30
 3. Received By: *John Schone* Date: 12/16/16 Time: 14:30

Comments: *1.8 #1*

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America
Job Number: 480-111211-1
SDG Number: 480-111211-1

Login Number: 111211

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	obg
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-110652-1

TestAmerica Sample Delivery Group: 480-110652-1

Client Project/Site: GE - Semi Annual Event

For:

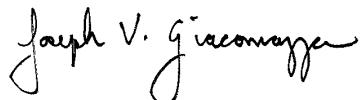
O'Brien & Gere Inc of North America

8805 Governor's Hill Dr.

Ste. 164

Cincinnati, Ohio 45249

Attn: Chase Forman



Authorized for release by:

12/29/2016 11:39:49 AM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?

Ask
The
Expert

Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page	1	3
Table of Contents	2	4
Definitions/Glossary	3	5
Case Narrative	4	6
Detection Summary	5	7
Client Sample Results	11	8
Surrogate Summary	50	9
QC Sample Results	52	10
QC Association Summary	68	11
Lab Chronicle	70	12
Certification Summary	77	13
Method Summary	78	14
Sample Summary	79	15
Chain of Custody	80	
Receipt Checklists	84	

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
SDG: 480-110652-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
D	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
SDG: 480-110652-1

Job ID: 480-110652-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-110652-1

Receipt

The samples were received on 12/7/2016 9:30 AM, 12/8/2016 9:45 AM and 12/9/2016 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.1° C, 2.4° C and 2.8° C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-335549 recovered outside acceptance criteria, low biased, for 2-Hexanone, 4-Methyl-2-pentanone (MIBK) and 2-Butanone (MEK). A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detects for these analytes, the data have been reported. The following samples are impacted: AOC-LDMW-1S-120616 (480-110652-1), AOC-PSTMW-1SR-120616 (480-110652-2), AOC-PSTMW-2S-120616 (480-110652-3), AF-2P-120616 (480-110652-4), AF-3P-120616 (480-110652-5), AF-5S-120616 (480-110652-7), AF-25P-120616 (480-110652-8), AF-24P-120616 (480-110652-9) and TRIP BLANK-120616 (480-110652-10).

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: AOC-LDMW-1S-120616 (480-110652-1) and AF-25P-120616 (480-110652-8). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: AF-5P-120616 (480-110652-6) and AF-24P-120616 (480-110652-9). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The results reported for the following sample do not concur with results previously reported for this site: AF-5P-120616 (480-110652-6). Reanalysis was performed, and the results confirmed.

Method(s) 8260C: The analyte Methylene Chloride was detected in the dilution analysis of sample AF-5P-120616 (480-110652-6) and AF-24P-120616 (480-110652-9) . Additional manipulation of the sample is required to analyze a sample at a dilution, therefore, the sample detection for Methylene Chloride in the analysis may potentially be due to laboratory contamination and should be evaluated accordingly. The following sample is affected AF-5P-120616 (480-110652-6) and AF-24P-120616 (480-110652-9) .

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: TMW-2D-120816 (480-110853-6) and AF-7S-120816 (480-110853-8). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: OSMW-1S-120716 (480-110778-6), OSMW-5D-120716 (480-110778-8), OSMW-3D-120816 (480-110853-2) and OSMW-6D-120816 (480-110853-13). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AOC-LDMW-1S-120616

Lab Sample ID: 480-110652-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	170		5.0	4.1	ug/L	5		8260C	Total/NA
1,1-Dichloroethane	130		5.0	1.9	ug/L	5		8260C	Total/NA
1,1-Dichloroethene	47		5.0	1.5	ug/L	5		8260C	Total/NA
Chloroform	3.1	J	5.0	1.7	ug/L	5		8260C	Total/NA
Methylene Chloride	3.2	J	5.0	2.2	ug/L	5		8260C	Total/NA
Trichloroethene	190		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: AOC-PSTMW-1SR-120616

Lab Sample ID: 480-110652-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.1	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: AOC-PSTMW-2S-120616

Lab Sample ID: 480-110652-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	11		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.96	J	1.0	0.29	ug/L	1		8260C	Total/NA
Trichloroethene	1.4		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: AF-2P-120616

Lab Sample ID: 480-110652-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	2.7		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	7.3		1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	5.2	J	10	3.0	ug/L	1		8260C	Total/NA
Trichloroethene	33		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: AF-3P-120616

Lab Sample ID: 480-110652-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	14		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	0.83	J	1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	3.9	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.0		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	9.9		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	52		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: AF-5P-120616

Lab Sample ID: 480-110652-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	26		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	2.3		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	0.89	J	2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	3.8		2.0	1.6	ug/L	2		8260C	Total/NA
Methylene Chloride	2.4		2.0	0.88	ug/L	2		8260C	Total/NA
Trichloroethene	95		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: AF-5S-120616

Lab Sample ID: 480-110652-7

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-5S-120616 (Continued)

Lab Sample ID: 480-110652-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.2		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	6.6		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	31		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: AF-25P-120616

Lab Sample ID: 480-110652-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	150		10	8.2	ug/L	10		8260C	Total/NA
1,1-Dichloroethane	44		10	3.8	ug/L	10		8260C	Total/NA
1,1-Dichloroethene	14		10	2.9	ug/L	10		8260C	Total/NA
Chloroethane	12		10	3.2	ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene	8.1	J	10	8.1	ug/L	10		8260C	Total/NA
Methylene Chloride	9.0	J	10	4.4	ug/L	10		8260C	Total/NA
Tetrachloroethene	4.3	J	10	3.6	ug/L	10		8260C	Total/NA
Trichloroethene	220		10	4.6	ug/L	10		8260C	Total/NA

Client Sample ID: AF-24P-120616

Lab Sample ID: 480-110652-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloroethane	0.41	J	1.0	0.23	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	52		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	33		1.0	0.29	ug/L	1		8260C	Total/NA
Acetone	3.6	J	10	3.0	ug/L	1		8260C	Total/NA
Chloroform	4.0		1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	48		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	9.2		1.0	0.36	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	41		1.0	0.90	ug/L	1		8260C	Total/NA
Vinyl chloride	8.1		1.0	0.90	ug/L	1		8260C	Total/NA
1,1,1-Trichloroethane - DL	350		10	8.2	ug/L	10		8260C	Total/NA
Trichloroethene - DL	500		10	4.6	ug/L	10		8260C	Total/NA

Client Sample ID: TRIP BLANK-120616

Lab Sample ID: 480-110652-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.47	J	1.0	0.44	ug/L	1		8260C	Total/NA

Client Sample ID: TMW-1S-120716

Lab Sample ID: 480-110778-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	13		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	40		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: TMW-2S-120716

Lab Sample ID: 480-110778-2

No Detections.

Client Sample ID: AF-9S-120716

Lab Sample ID: 480-110778-3

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-2P-120716

Lab Sample ID: 480-110778-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	6.7		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	19		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	0.49	J	1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	20		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-1P-120716

Lab Sample ID: 480-110778-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.5		1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	19		10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-1S-120716

Lab Sample ID: 480-110778-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	440		20	16	ug/L	20		8260C	Total/NA
Vinyl chloride	530		20	18	ug/L	20		8260C	Total/NA

Client Sample ID: H-221-120716

Lab Sample ID: 480-110778-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	15		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	9.0		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	3.5		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	49		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-5D-120716

Lab Sample ID: 480-110778-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	300		5.0	4.1	ug/L	5		8260C	Total/NA
trans-1,2-Dichloroethene	9.0		5.0	4.5	ug/L	5		8260C	Total/NA
Vinyl chloride	28		5.0	4.5	ug/L	5		8260C	Total/NA

Client Sample ID: OSMW-5S-120716

Lab Sample ID: 480-110778-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.8		1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	3.2	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	15		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.0		1.0	0.90	ug/L	1		8260C	Total/NA
Vinyl chloride	9.5		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK-120716

Lab Sample ID: 480-110778-10

No Detections.

Client Sample ID: OSMW-3S-120816

Lab Sample ID: 480-110853-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	15		10	3.0	ug/L	1		8260C	Total/NA
Vinyl chloride	2.2		1.0	0.90	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-3D-120816

Lab Sample ID: 480-110853-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.65	J	1.0	0.29	ug/L	1		8260C	Total/NA
Acetone	24		10	3.0	ug/L	1		8260C	Total/NA
Benzene	1.1		1.0	0.41	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	30		1.0	0.90	ug/L	1		8260C	Total/NA
Vinyl chloride	2.9		1.0	0.90	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene - DL	230		10	8.1	ug/L	10		8260C	Total/NA
Trichloroethene - DL	390		10	4.6	ug/L	10		8260C	Total/NA

Client Sample ID: TMW-1D-120816

Lab Sample ID: 480-110853-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	21		10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: AF-5D-120816

Lab Sample ID: 480-110853-4

No Detections.

Client Sample ID: AF-21D-120816

Lab Sample ID: 480-110853-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.3		1.0	0.81	ug/L	1		8260C	Total/NA

Client Sample ID: TMW-2D-120816

Lab Sample ID: 480-110853-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	570		10	8.1	ug/L	10		8260C	Total/NA
trans-1,2-Dichloroethene	160		10	9.0	ug/L	10		8260C	Total/NA
Vinyl chloride	33		10	9.0	ug/L	10		8260C	Total/NA

Client Sample ID: AF-7D-120816

Lab Sample ID: 480-110853-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.8	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: AF-7S-120816

Lab Sample ID: 480-110853-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	310		10	8.1	ug/L	10		8260C	Total/NA
Vinyl chloride	550		10	9.0	ug/L	10		8260C	Total/NA

Client Sample ID: AF-7P-120816

Lab Sample ID: 480-110853-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.1	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	2.6		1.0	0.81	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-4S-120816

Lab Sample ID: 480-110853-10

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-4D-120816

Lab Sample ID: 480-110853-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.60	J	1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	4.4	J	10	3.0	ug/L	1		8260C	Total/NA
Vinyl chloride	2.5		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-6S-120816

Lab Sample ID: 480-110853-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.4		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.8		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	18		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	7.2		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-6D-120816

Lab Sample ID: 480-110853-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.2		1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	4.0	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	18		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride - DL	200		4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: OSMW-7D-120816

Lab Sample ID: 480-110853-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.4	J	10	3.0	ug/L	1		8260C	Total/NA
Vinyl chloride	9.0		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-8D-120816

Lab Sample ID: 480-110853-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.3		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	30		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	64		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-1D-120816

Lab Sample ID: 480-110853-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.6		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	5.0		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	26		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: DUP-01-120816

Lab Sample ID: 480-110853-17

No Detections.

Client Sample ID: DUP-02-120816

Lab Sample ID: 480-110853-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.7	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK-120816

Lab Sample ID: 480-110853-19

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
SDG: 480-110652-1

Client Sample ID: TRIP BLANK-120816 (Continued)

Lab Sample ID: 480-110853-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.5	J	10	3.0	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AOC-LDMW-1S-120616

Lab Sample ID: 480-110652-1

Date Collected: 12/06/16 10:10

Matrix: Water

Date Received: 12/07/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	170		5.0	4.1	ug/L			12/09/16 13:23	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/09/16 13:23	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/09/16 13:23	5
1,1-Dichloroethane	130		5.0	1.9	ug/L			12/09/16 13:23	5
1,1-Dichloroethene	47		5.0	1.5	ug/L			12/09/16 13:23	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/09/16 13:23	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/09/16 13:23	5
2-Hexanone	ND		25	6.2	ug/L			12/09/16 13:23	5
2-Butanone (MEK)	ND		50	6.6	ug/L			12/09/16 13:23	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/09/16 13:23	5
Acetone	ND		50	15	ug/L			12/09/16 13:23	5
Benzene	ND		5.0	2.1	ug/L			12/09/16 13:23	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/09/16 13:23	5
Bromoform	ND		5.0	1.3	ug/L			12/09/16 13:23	5
Bromomethane	ND		5.0	3.5	ug/L			12/09/16 13:23	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/09/16 13:23	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/09/16 13:23	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/09/16 13:23	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/09/16 13:23	5
Chloroethane	ND		5.0	1.6	ug/L			12/09/16 13:23	5
Chloroform	3.1 J		5.0	1.7	ug/L			12/09/16 13:23	5
Chloromethane	ND		5.0	1.8	ug/L			12/09/16 13:23	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			12/09/16 13:23	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/09/16 13:23	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/09/16 13:23	5
Methylene Chloride	3.2 J		5.0	2.2	ug/L			12/09/16 13:23	5
Styrene	ND		5.0	3.7	ug/L			12/09/16 13:23	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/09/16 13:23	5
Toluene	ND		5.0	2.6	ug/L			12/09/16 13:23	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/09/16 13:23	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/09/16 13:23	5
Trichloroethene	190		5.0	2.3	ug/L			12/09/16 13:23	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/09/16 13:23	5
Xylenes, Total	ND		10	3.3	ug/L			12/09/16 13:23	5
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102			77 - 120				12/09/16 13:23	5
Toluene-d8 (Surr)	94			80 - 120				12/09/16 13:23	5
4-Bromofluorobenzene (Surr)	99			73 - 120				12/09/16 13:23	5
Dibromofluoromethane (Surr)	104			75 - 123				12/09/16 13:23	5

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AOC-PSTMW-1SR-120616

Lab Sample ID: 480-110652-2

Matrix: Water

Date Collected: 12/06/16 10:25

Date Received: 12/07/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/09/16 13:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/16 13:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/16 13:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/09/16 13:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/16 13:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/16 13:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/16 13:50	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/16 13:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/16 13:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/16 13:50	1
Acetone	4.1 J		10	3.0	ug/L			12/09/16 13:50	1
Benzene	ND		1.0	0.41	ug/L			12/09/16 13:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/16 13:50	1
Bromoform	ND		1.0	0.26	ug/L			12/09/16 13:50	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/16 13:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/16 13:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/16 13:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/16 13:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/16 13:50	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/16 13:50	1
Chloroform	ND		1.0	0.34	ug/L			12/09/16 13:50	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/16 13:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/09/16 13:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/16 13:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/16 13:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/16 13:50	1
Styrene	ND		1.0	0.73	ug/L			12/09/16 13:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/16 13:50	1
Toluene	ND		1.0	0.51	ug/L			12/09/16 13:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/16 13:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/16 13:50	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/16 13:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/16 13:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/16 13:50	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104			77 - 120				12/09/16 13:50	1
Toluene-d8 (Surr)	96			80 - 120				12/09/16 13:50	1
4-Bromofluorobenzene (Surr)	97			73 - 120				12/09/16 13:50	1
Dibromofluoromethane (Surr)	104			75 - 123				12/09/16 13:50	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AOC-PSTMW-2S-120616

Date Collected: 12/06/16 10:37

Date Received: 12/07/16 09:30

Lab Sample ID: 480-110652-3

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	11		1.0	0.82	ug/L			12/09/16 14:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/16 14:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/16 14:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/09/16 14:17	1
1,1-Dichloroethene	0.96 J		1.0	0.29	ug/L			12/09/16 14:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/16 14:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/16 14:17	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/16 14:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/16 14:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/16 14:17	1
Acetone	ND		10	3.0	ug/L			12/09/16 14:17	1
Benzene	ND		1.0	0.41	ug/L			12/09/16 14:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/16 14:17	1
Bromoform	ND		1.0	0.26	ug/L			12/09/16 14:17	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/16 14:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/16 14:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/16 14:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/16 14:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/16 14:17	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/16 14:17	1
Chloroform	ND		1.0	0.34	ug/L			12/09/16 14:17	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/16 14:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/09/16 14:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/16 14:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/16 14:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/16 14:17	1
Styrene	ND		1.0	0.73	ug/L			12/09/16 14:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/16 14:17	1
Toluene	ND		1.0	0.51	ug/L			12/09/16 14:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/16 14:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/16 14:17	1
Trichloroethene	1.4		1.0	0.46	ug/L			12/09/16 14:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/16 14:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/16 14:17	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100			77 - 120				12/09/16 14:17	1
Toluene-d8 (Surr)	95			80 - 120				12/09/16 14:17	1
4-Bromofluorobenzene (Surr)	99			73 - 120				12/09/16 14:17	1
Dibromofluoromethane (Surr)	99			75 - 123				12/09/16 14:17	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-2P-120616

Date Collected: 12/06/16 10:51

Date Received: 12/07/16 09:30

Lab Sample ID: 480-110652-4

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.7		1.0	0.82	ug/L			12/09/16 14:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/16 14:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/16 14:44	1
1,1-Dichloroethane	7.3		1.0	0.38	ug/L			12/09/16 14:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/16 14:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/16 14:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/16 14:44	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/16 14:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/16 14:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/16 14:44	1
Acetone	5.2 J		10	3.0	ug/L			12/09/16 14:44	1
Benzene	ND		1.0	0.41	ug/L			12/09/16 14:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/16 14:44	1
Bromoform	ND		1.0	0.26	ug/L			12/09/16 14:44	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/16 14:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/16 14:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/16 14:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/16 14:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/16 14:44	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/16 14:44	1
Chloroform	ND		1.0	0.34	ug/L			12/09/16 14:44	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/16 14:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/09/16 14:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/16 14:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/16 14:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/16 14:44	1
Styrene	ND		1.0	0.73	ug/L			12/09/16 14:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/16 14:44	1
Toluene	ND		1.0	0.51	ug/L			12/09/16 14:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/16 14:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/16 14:44	1
Trichloroethene	33		1.0	0.46	ug/L			12/09/16 14:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/16 14:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/16 14:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		12/09/16 14:44	1
Toluene-d8 (Surr)	97		80 - 120		12/09/16 14:44	1
4-Bromofluorobenzene (Surr)	97		73 - 120		12/09/16 14:44	1
Dibromofluoromethane (Surr)	101		75 - 123		12/09/16 14:44	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-3P-120616

Date Collected: 12/06/16 11:01

Date Received: 12/07/16 09:30

Lab Sample ID: 480-110652-5

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	14		1.0	0.82	ug/L			12/09/16 15:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/16 15:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/16 15:11	1
1,1-Dichloroethane	0.83 J		1.0	0.38	ug/L			12/09/16 15:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/16 15:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/16 15:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/16 15:11	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/16 15:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/16 15:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/16 15:11	1
Acetone	3.9 J		10	3.0	ug/L			12/09/16 15:11	1
Benzene	ND		1.0	0.41	ug/L			12/09/16 15:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/16 15:11	1
Bromoform	ND		1.0	0.26	ug/L			12/09/16 15:11	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/16 15:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/16 15:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/16 15:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/16 15:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/16 15:11	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/16 15:11	1
Chloroform	ND		1.0	0.34	ug/L			12/09/16 15:11	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/16 15:11	1
cis-1,2-Dichloroethene	1.0		1.0	0.81	ug/L			12/09/16 15:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/16 15:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/16 15:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/16 15:11	1
Styrene	ND		1.0	0.73	ug/L			12/09/16 15:11	1
Tetrachloroethene	9.9		1.0	0.36	ug/L			12/09/16 15:11	1
Toluene	ND		1.0	0.51	ug/L			12/09/16 15:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/16 15:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/16 15:11	1
Trichloroethene	52		1.0	0.46	ug/L			12/09/16 15:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/16 15:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/16 15:11	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103			77 - 120				12/09/16 15:11	1
Toluene-d8 (Surr)	96			80 - 120				12/09/16 15:11	1
4-Bromofluorobenzene (Surr)	97			73 - 120				12/09/16 15:11	1
Dibromofluoromethane (Surr)	103			75 - 123				12/09/16 15:11	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-5P-120616

Date Collected: 12/06/16 11:15
 Date Received: 12/07/16 09:30

Lab Sample ID: 480-110652-6

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	26		2.0	1.6	ug/L		12/09/16 22:07		2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L		12/09/16 22:07		2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L		12/09/16 22:07		2
1,1-Dichloroethane	2.3		2.0	0.76	ug/L		12/09/16 22:07		2
1,1-Dichloroethene	0.89 J		2.0	0.58	ug/L		12/09/16 22:07		2
1,2-Dichloroethane	ND		2.0	0.42	ug/L		12/09/16 22:07		2
1,2-Dichloropropane	ND		2.0	1.4	ug/L		12/09/16 22:07		2
2-Hexanone	ND		10	2.5	ug/L		12/09/16 22:07		2
2-Butanone (MEK)	ND		20	2.6	ug/L		12/09/16 22:07		2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L		12/09/16 22:07		2
Acetone	ND		20	6.0	ug/L		12/09/16 22:07		2
Benzene	ND		2.0	0.82	ug/L		12/09/16 22:07		2
Bromodichloromethane	ND		2.0	0.78	ug/L		12/09/16 22:07		2
Bromoform	ND		2.0	0.52	ug/L		12/09/16 22:07		2
Bromomethane	ND		2.0	1.4	ug/L		12/09/16 22:07		2
Carbon disulfide	ND		2.0	0.38	ug/L		12/09/16 22:07		2
Carbon tetrachloride	ND		2.0	0.54	ug/L		12/09/16 22:07		2
Chlorobenzene	ND		2.0	1.5	ug/L		12/09/16 22:07		2
Dibromochloromethane	ND		2.0	0.64	ug/L		12/09/16 22:07		2
Chloroethane	ND		2.0	0.64	ug/L		12/09/16 22:07		2
Chloroform	ND		2.0	0.68	ug/L		12/09/16 22:07		2
Chloromethane	ND		2.0	0.70	ug/L		12/09/16 22:07		2
cis-1,2-Dichloroethene	3.8		2.0	1.6	ug/L		12/09/16 22:07		2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L		12/09/16 22:07		2
Ethylbenzene	ND		2.0	1.5	ug/L		12/09/16 22:07		2
Methylene Chloride	2.4		2.0	0.88	ug/L		12/09/16 22:07		2
Styrene	ND		2.0	1.5	ug/L		12/09/16 22:07		2
Tetrachloroethene	ND		2.0	0.72	ug/L		12/09/16 22:07		2
Toluene	ND		2.0	1.0	ug/L		12/09/16 22:07		2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L		12/09/16 22:07		2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L		12/09/16 22:07		2
Trichloroethene	95		2.0	0.92	ug/L		12/09/16 22:07		2
Vinyl chloride	ND		2.0	1.8	ug/L		12/09/16 22:07		2
Xylenes, Total	ND		4.0	1.3	ug/L		12/09/16 22:07		2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		12/09/16 22:07	2
Toluene-d8 (Surr)	94		80 - 120		12/09/16 22:07	2
4-Bromofluorobenzene (Surr)	96		73 - 120		12/09/16 22:07	2
Dibromofluoromethane (Surr)	97		75 - 123		12/09/16 22:07	2

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-5S-120616

Date Collected: 12/06/16 11:25

Date Received: 12/07/16 09:30

Lab Sample ID: 480-110652-7

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/09/16 16:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/16 16:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/16 16:04	1
1,1-Dichloroethane	4.2		1.0	0.38	ug/L			12/09/16 16:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/16 16:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/16 16:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/16 16:04	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/16 16:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/16 16:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/16 16:04	1
Acetone	ND		10	3.0	ug/L			12/09/16 16:04	1
Benzene	ND		1.0	0.41	ug/L			12/09/16 16:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/16 16:04	1
Bromoform	ND		1.0	0.26	ug/L			12/09/16 16:04	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/16 16:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/16 16:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/16 16:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/16 16:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/16 16:04	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/16 16:04	1
Chloroform	ND		1.0	0.34	ug/L			12/09/16 16:04	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/16 16:04	1
cis-1,2-Dichloroethene	6.6		1.0	0.81	ug/L			12/09/16 16:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/16 16:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/16 16:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/16 16:04	1
Styrene	ND		1.0	0.73	ug/L			12/09/16 16:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/16 16:04	1
Toluene	ND		1.0	0.51	ug/L			12/09/16 16:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/16 16:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/16 16:04	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/16 16:04	1
Vinyl chloride	31		1.0	0.90	ug/L			12/09/16 16:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/16 16:04	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107			77 - 120				12/09/16 16:04	1
Toluene-d8 (Surr)	96			80 - 120				12/09/16 16:04	1
4-Bromofluorobenzene (Surr)	102			73 - 120				12/09/16 16:04	1
Dibromofluoromethane (Surr)	106			75 - 123				12/09/16 16:04	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-25P-120616

Date Collected: 12/06/16 11:35
 Date Received: 12/07/16 09:30

Lab Sample ID: 480-110652-8
Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	150		10	8.2	ug/L			12/09/16 16:31	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			12/09/16 16:31	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			12/09/16 16:31	10
1,1-Dichloroethane	44		10	3.8	ug/L			12/09/16 16:31	10
1,1-Dichloroethene	14		10	2.9	ug/L			12/09/16 16:31	10
1,2-Dichloroethane	ND		10	2.1	ug/L			12/09/16 16:31	10
1,2-Dichloropropane	ND		10	7.2	ug/L			12/09/16 16:31	10
2-Hexanone	ND		50	12	ug/L			12/09/16 16:31	10
2-Butanone (MEK)	ND		100	13	ug/L			12/09/16 16:31	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			12/09/16 16:31	10
Acetone	ND		100	30	ug/L			12/09/16 16:31	10
Benzene	ND		10	4.1	ug/L			12/09/16 16:31	10
Bromodichloromethane	ND		10	3.9	ug/L			12/09/16 16:31	10
Bromoform	ND		10	2.6	ug/L			12/09/16 16:31	10
Bromomethane	ND		10	6.9	ug/L			12/09/16 16:31	10
Carbon disulfide	ND		10	1.9	ug/L			12/09/16 16:31	10
Carbon tetrachloride	ND		10	2.7	ug/L			12/09/16 16:31	10
Chlorobenzene	ND		10	7.5	ug/L			12/09/16 16:31	10
Dibromochloromethane	ND		10	3.2	ug/L			12/09/16 16:31	10
Chloroethane	12		10	3.2	ug/L			12/09/16 16:31	10
Chloroform	ND		10	3.4	ug/L			12/09/16 16:31	10
Chloromethane	ND		10	3.5	ug/L			12/09/16 16:31	10
cis-1,2-Dichloroethene	8.1 J		10	8.1	ug/L			12/09/16 16:31	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			12/09/16 16:31	10
Ethylbenzene	ND		10	7.4	ug/L			12/09/16 16:31	10
Methylene Chloride	9.0 J		10	4.4	ug/L			12/09/16 16:31	10
Styrene	ND		10	7.3	ug/L			12/09/16 16:31	10
Tetrachloroethene	4.3 J		10	3.6	ug/L			12/09/16 16:31	10
Toluene	ND		10	5.1	ug/L			12/09/16 16:31	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			12/09/16 16:31	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			12/09/16 16:31	10
Trichloroethene	220		10	4.6	ug/L			12/09/16 16:31	10
Vinyl chloride	ND		10	9.0	ug/L			12/09/16 16:31	10
Xylenes, Total	ND		20	6.6	ug/L			12/09/16 16:31	10
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102			77 - 120				12/09/16 16:31	10
Toluene-d8 (Surr)	96			80 - 120				12/09/16 16:31	10
4-Bromofluorobenzene (Surr)	100			73 - 120				12/09/16 16:31	10
Dibromofluoromethane (Surr)	104			75 - 123				12/09/16 16:31	10

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-24P-120616

Lab Sample ID: 480-110652-9

Matrix: Water

Date Collected: 12/06/16 12:15
 Date Received: 12/07/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/16 16:59	1
1,1,2-Trichloroethane	0.41	J	1.0	0.23	ug/L			12/09/16 16:59	1
1,1-Dichloroethane	52		1.0	0.38	ug/L			12/09/16 16:59	1
1,1-Dichloroethene	33		1.0	0.29	ug/L			12/09/16 16:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/16 16:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/16 16:59	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/16 16:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/16 16:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/16 16:59	1
Acetone	3.6	J	10	3.0	ug/L			12/09/16 16:59	1
Benzene	ND		1.0	0.41	ug/L			12/09/16 16:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/16 16:59	1
Bromoform	ND		1.0	0.26	ug/L			12/09/16 16:59	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/16 16:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/16 16:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/16 16:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/16 16:59	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/16 16:59	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/16 16:59	1
Chloroform	4.0		1.0	0.34	ug/L			12/09/16 16:59	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/16 16:59	1
cis-1,2-Dichloroethene	48		1.0	0.81	ug/L			12/09/16 16:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/16 16:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/16 16:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/16 16:59	1
Styrene	ND		1.0	0.73	ug/L			12/09/16 16:59	1
Tetrachloroethene	9.2		1.0	0.36	ug/L			12/09/16 16:59	1
Toluene	ND		1.0	0.51	ug/L			12/09/16 16:59	1
trans-1,2-Dichloroethene	41		1.0	0.90	ug/L			12/09/16 16:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/16 16:59	1
Vinyl chloride	8.1		1.0	0.90	ug/L			12/09/16 16:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/16 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		12/09/16 16:59	1
Toluene-d8 (Surr)	96		80 - 120		12/09/16 16:59	1
4-Bromofluorobenzene (Surr)	97		73 - 120		12/09/16 16:59	1
Dibromofluoromethane (Surr)	102		75 - 123		12/09/16 16:59	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	350		10	8.2	ug/L			12/09/16 22:34	10
Trichloroethene	500		10	4.6	ug/L			12/09/16 22:34	10
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		12/09/16 22:34	10			
Toluene-d8 (Surr)	96		80 - 120		12/09/16 22:34	10			
4-Bromofluorobenzene (Surr)	98		73 - 120		12/09/16 22:34	10			
Dibromofluoromethane (Surr)	101		75 - 123		12/09/16 22:34	10			

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: TRIP BLANK-120616

Lab Sample ID: 480-110652-10

Matrix: Water

Date Collected: 12/06/16 00:00

Date Received: 12/07/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/09/16 12:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/16 12:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/16 12:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/09/16 12:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/16 12:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/16 12:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/16 12:56	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/16 12:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/16 12:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/16 12:56	1
Acetone	ND		10	3.0	ug/L			12/09/16 12:56	1
Benzene	ND		1.0	0.41	ug/L			12/09/16 12:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/16 12:56	1
Bromoform	ND		1.0	0.26	ug/L			12/09/16 12:56	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/16 12:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/16 12:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/16 12:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/16 12:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/16 12:56	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/16 12:56	1
Chloroform	ND		1.0	0.34	ug/L			12/09/16 12:56	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/16 12:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/09/16 12:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/16 12:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/16 12:56	1
Methylene Chloride	0.47 J		1.0	0.44	ug/L			12/09/16 12:56	1
Styrene	ND		1.0	0.73	ug/L			12/09/16 12:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/16 12:56	1
Toluene	ND		1.0	0.51	ug/L			12/09/16 12:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/16 12:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/16 12:56	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/16 12:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/16 12:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/16 12:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		12/09/16 12:56	1
Toluene-d8 (Surr)	96		80 - 120		12/09/16 12:56	1
4-Bromofluorobenzene (Surr)	102		73 - 120		12/09/16 12:56	1
Dibromofluoromethane (Surr)	102		75 - 123		12/09/16 12:56	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: TMW-1S-120716

Date Collected: 12/07/16 10:25

Date Received: 12/08/16 09:45

Lab Sample ID: 480-110778-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 01:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 01:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 01:49	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 01:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 01:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 01:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 01:49	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 01:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 01:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 01:49	1
Acetone	ND		10	3.0	ug/L			12/13/16 01:49	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 01:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 01:49	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 01:49	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 01:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 01:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 01:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 01:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 01:49	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 01:49	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 01:49	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 01:49	1
cis-1,2-Dichloroethene	13		1.0	0.81	ug/L			12/13/16 01:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 01:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 01:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 01:49	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 01:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 01:49	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 01:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 01:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 01:49	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 01:49	1
Vinyl chloride	40		1.0	0.90	ug/L			12/13/16 01:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 01:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		12/13/16 01:49	1
Toluene-d8 (Surr)	101		80 - 120		12/13/16 01:49	1
4-Bromofluorobenzene (Surr)	92		73 - 120		12/13/16 01:49	1
Dibromofluoromethane (Surr)	107		75 - 123		12/13/16 01:49	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: TMW-2S-120716

Date Collected: 12/07/16 10:48

Date Received: 12/08/16 09:45

Lab Sample ID: 480-110778-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 02:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 02:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 02:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 02:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 02:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 02:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 02:16	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 02:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 02:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 02:16	1
Acetone	ND		10	3.0	ug/L			12/13/16 02:16	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 02:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 02:16	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 02:16	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 02:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 02:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 02:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 02:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 02:16	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 02:16	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 02:16	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 02:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/13/16 02:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 02:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 02:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 02:16	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 02:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 02:16	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 02:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 02:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 02:16	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 02:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/13/16 02:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 02:16	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108			77 - 120				12/13/16 02:16	1
Toluene-d8 (Surr)	91			80 - 120				12/13/16 02:16	1
4-Bromofluorobenzene (Surr)	82			73 - 120				12/13/16 02:16	1
Dibromofluoromethane (Surr)	100			75 - 123				12/13/16 02:16	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-9S-120716

Lab Sample ID: 480-110778-3

Matrix: Water

Date Collected: 12/07/16 11:02

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 02:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 02:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 02:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 02:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 02:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 02:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 02:39	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 02:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 02:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 02:39	1
Acetone	ND		10	3.0	ug/L			12/13/16 02:39	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 02:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 02:39	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 02:39	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 02:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 02:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 02:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 02:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 02:39	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 02:39	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 02:39	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 02:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/13/16 02:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 02:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 02:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 02:39	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 02:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 02:39	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 02:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 02:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 02:39	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 02:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/13/16 02:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 02:39	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108			77 - 120				12/13/16 02:39	1
Toluene-d8 (Surr)	103			80 - 120				12/13/16 02:39	1
4-Bromofluorobenzene (Surr)	91			73 - 120				12/13/16 02:39	1
Dibromofluoromethane (Surr)	101			75 - 123				12/13/16 02:39	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-2P-120716

Lab Sample ID: 480-110778-4

Matrix: Water

Date Collected: 12/07/16 11:30

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 03:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 03:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 03:02	1
1,1-Dichloroethane	6.7		1.0	0.38	ug/L			12/13/16 03:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 03:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 03:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 03:02	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 03:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 03:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 03:02	1
Acetone	ND		10	3.0	ug/L			12/13/16 03:02	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 03:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 03:02	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 03:02	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 03:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 03:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 03:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 03:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 03:02	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 03:02	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 03:02	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 03:02	1
cis-1,2-Dichloroethene	19		1.0	0.81	ug/L			12/13/16 03:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 03:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 03:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 03:02	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 03:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 03:02	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 03:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 03:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 03:02	1
Trichloroethene	0.49 J		1.0	0.46	ug/L			12/13/16 03:02	1
Vinyl chloride	20		1.0	0.90	ug/L			12/13/16 03:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 03:02	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104			77 - 120				12/13/16 03:02	1
Toluene-d8 (Surr)	99			80 - 120				12/13/16 03:02	1
4-Bromofluorobenzene (Surr)	89			73 - 120				12/13/16 03:02	1
Dibromofluoromethane (Surr)	106			75 - 123				12/13/16 03:02	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-1P-120716

Lab Sample ID: 480-110778-5

Date Collected: 12/07/16 12:00

Matrix: Water

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 03:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 03:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 03:25	1
1,1-Dichloroethane	2.5		1.0	0.38	ug/L			12/13/16 03:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 03:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 03:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 03:25	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 03:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 03:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 03:25	1
Acetone	19		10	3.0	ug/L			12/13/16 03:25	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 03:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 03:25	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 03:25	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 03:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 03:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 03:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 03:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 03:25	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 03:25	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 03:25	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 03:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/13/16 03:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 03:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 03:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 03:25	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 03:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 03:25	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 03:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 03:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 03:25	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 03:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/13/16 03:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 03:25	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106			77 - 120				12/13/16 03:25	1
Toluene-d8 (Surr)	100			80 - 120				12/13/16 03:25	1
4-Bromofluorobenzene (Surr)	91			73 - 120				12/13/16 03:25	1
Dibromofluoromethane (Surr)	104			75 - 123				12/13/16 03:25	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-1S-120716

Lab Sample ID: 480-110778-6

Matrix: Water

Date Collected: 12/07/16 12:12

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			12/14/16 11:33	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			12/14/16 11:33	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			12/14/16 11:33	20
1,1-Dichloroethane	ND		20	7.6	ug/L			12/14/16 11:33	20
1,1-Dichloroethene	ND		20	5.8	ug/L			12/14/16 11:33	20
1,2-Dichloroethane	ND		20	4.2	ug/L			12/14/16 11:33	20
1,2-Dichloropropane	ND		20	14	ug/L			12/14/16 11:33	20
2-Hexanone	ND		100	25	ug/L			12/14/16 11:33	20
2-Butanone (MEK)	ND		200	26	ug/L			12/14/16 11:33	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			12/14/16 11:33	20
Acetone	ND		200	60	ug/L			12/14/16 11:33	20
Benzene	ND		20	8.2	ug/L			12/14/16 11:33	20
Bromodichloromethane	ND		20	7.8	ug/L			12/14/16 11:33	20
Bromoform	ND		20	5.2	ug/L			12/14/16 11:33	20
Bromomethane	ND		20	14	ug/L			12/14/16 11:33	20
Carbon disulfide	ND		20	3.8	ug/L			12/14/16 11:33	20
Carbon tetrachloride	ND		20	5.4	ug/L			12/14/16 11:33	20
Chlorobenzene	ND		20	15	ug/L			12/14/16 11:33	20
Dibromochloromethane	ND		20	6.4	ug/L			12/14/16 11:33	20
Chloroethane	ND		20	6.4	ug/L			12/14/16 11:33	20
Chloroform	ND		20	6.8	ug/L			12/14/16 11:33	20
Chloromethane	ND		20	7.0	ug/L			12/14/16 11:33	20
cis-1,2-Dichloroethene	440		20	16	ug/L			12/14/16 11:33	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			12/14/16 11:33	20
Ethylbenzene	ND		20	15	ug/L			12/14/16 11:33	20
Methylene Chloride	ND		20	8.8	ug/L			12/14/16 11:33	20
Styrene	ND		20	15	ug/L			12/14/16 11:33	20
Tetrachloroethene	ND		20	7.2	ug/L			12/14/16 11:33	20
Toluene	ND		20	10	ug/L			12/14/16 11:33	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			12/14/16 11:33	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			12/14/16 11:33	20
Trichloroethene	ND		20	9.2	ug/L			12/14/16 11:33	20
Vinyl chloride	530		20	18	ug/L			12/14/16 11:33	20
Xylenes, Total	ND		40	13	ug/L			12/14/16 11:33	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		12/14/16 11:33	20
Toluene-d8 (Surr)	103		80 - 120		12/14/16 11:33	20
4-Bromofluorobenzene (Surr)	93		73 - 120		12/14/16 11:33	20
Dibromofluoromethane (Surr)	105		75 - 123		12/14/16 11:33	20

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: H-221-120716

Lab Sample ID: 480-110778-7

Matrix: Water

Date Collected: 12/07/16 12:31

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	15		1.0	0.82	ug/L			12/14/16 11:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/14/16 11:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/14/16 11:57	1
1,1-Dichloroethane	9.0		1.0	0.38	ug/L			12/14/16 11:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/14/16 11:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/14/16 11:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/14/16 11:57	1
2-Hexanone	ND		5.0	1.2	ug/L			12/14/16 11:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/14/16 11:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/14/16 11:57	1
Acetone	ND		10	3.0	ug/L			12/14/16 11:57	1
Benzene	ND		1.0	0.41	ug/L			12/14/16 11:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/14/16 11:57	1
Bromoform	ND		1.0	0.26	ug/L			12/14/16 11:57	1
Bromomethane	ND		1.0	0.69	ug/L			12/14/16 11:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/14/16 11:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/14/16 11:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/14/16 11:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/14/16 11:57	1
Chloroethane	ND		1.0	0.32	ug/L			12/14/16 11:57	1
Chloroform	ND		1.0	0.34	ug/L			12/14/16 11:57	1
Chloromethane	ND		1.0	0.35	ug/L			12/14/16 11:57	1
cis-1,2-Dichloroethene	3.5		1.0	0.81	ug/L			12/14/16 11:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/14/16 11:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/14/16 11:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/14/16 11:57	1
Styrene	ND		1.0	0.73	ug/L			12/14/16 11:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/14/16 11:57	1
Toluene	ND		1.0	0.51	ug/L			12/14/16 11:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/14/16 11:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/14/16 11:57	1
Trichloroethene	49		1.0	0.46	ug/L			12/14/16 11:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/14/16 11:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/14/16 11:57	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104			77 - 120				12/14/16 11:57	1
Toluene-d8 (Surr)	102			80 - 120				12/14/16 11:57	1
4-Bromofluorobenzene (Surr)	92			73 - 120				12/14/16 11:57	1
Dibromofluoromethane (Surr)	105			75 - 123				12/14/16 11:57	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-5D-120716

Lab Sample ID: 480-110778-8

Matrix: Water

Date Collected: 12/07/16 15:47

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			12/14/16 12:20	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/14/16 12:20	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/14/16 12:20	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			12/14/16 12:20	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			12/14/16 12:20	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/14/16 12:20	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/14/16 12:20	5
2-Hexanone	ND		25	6.2	ug/L			12/14/16 12:20	5
2-Butanone (MEK)	ND		50	6.6	ug/L			12/14/16 12:20	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/14/16 12:20	5
Acetone	ND		50	15	ug/L			12/14/16 12:20	5
Benzene	ND		5.0	2.1	ug/L			12/14/16 12:20	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/14/16 12:20	5
Bromoform	ND		5.0	1.3	ug/L			12/14/16 12:20	5
Bromomethane	ND		5.0	3.5	ug/L			12/14/16 12:20	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/14/16 12:20	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/14/16 12:20	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/14/16 12:20	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/14/16 12:20	5
Chloroethane	ND		5.0	1.6	ug/L			12/14/16 12:20	5
Chloroform	ND		5.0	1.7	ug/L			12/14/16 12:20	5
Chloromethane	ND		5.0	1.8	ug/L			12/14/16 12:20	5
cis-1,2-Dichloroethene	300		5.0	4.1	ug/L			12/14/16 12:20	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/14/16 12:20	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/14/16 12:20	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/14/16 12:20	5
Styrene	ND		5.0	3.7	ug/L			12/14/16 12:20	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/14/16 12:20	5
Toluene	ND		5.0	2.6	ug/L			12/14/16 12:20	5
trans-1,2-Dichloroethene	9.0		5.0	4.5	ug/L			12/14/16 12:20	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/14/16 12:20	5
Trichloroethene	ND		5.0	2.3	ug/L			12/14/16 12:20	5
Vinyl chloride	28		5.0	4.5	ug/L			12/14/16 12:20	5
Xylenes, Total	ND		10	3.3	ug/L			12/14/16 12:20	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120					12/14/16 12:20	5
Toluene-d8 (Surr)	101		80 - 120					12/14/16 12:20	5
4-Bromofluorobenzene (Surr)	91		73 - 120					12/14/16 12:20	5
Dibromofluoromethane (Surr)	104		75 - 123					12/14/16 12:20	5

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-5S-120716

Lab Sample ID: 480-110778-9

Matrix: Water

Date Collected: 12/07/16 16:05

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/14/16 12:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/14/16 12:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/14/16 12:43	1
1,1-Dichloroethane	2.8		1.0	0.38	ug/L			12/14/16 12:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/14/16 12:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/14/16 12:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/14/16 12:43	1
2-Hexanone	ND		5.0	1.2	ug/L			12/14/16 12:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/14/16 12:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/14/16 12:43	1
Acetone	3.2 J		10	3.0	ug/L			12/14/16 12:43	1
Benzene	ND		1.0	0.41	ug/L			12/14/16 12:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/14/16 12:43	1
Bromoform	ND		1.0	0.26	ug/L			12/14/16 12:43	1
Bromomethane	ND		1.0	0.69	ug/L			12/14/16 12:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/14/16 12:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/14/16 12:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/14/16 12:43	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/14/16 12:43	1
Chloroethane	ND		1.0	0.32	ug/L			12/14/16 12:43	1
Chloroform	ND		1.0	0.34	ug/L			12/14/16 12:43	1
Chloromethane	ND		1.0	0.35	ug/L			12/14/16 12:43	1
cis-1,2-Dichloroethene	15		1.0	0.81	ug/L			12/14/16 12:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/14/16 12:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/14/16 12:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/14/16 12:43	1
Styrene	ND		1.0	0.73	ug/L			12/14/16 12:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/14/16 12:43	1
Toluene	ND		1.0	0.51	ug/L			12/14/16 12:43	1
trans-1,2-Dichloroethene	1.0		1.0	0.90	ug/L			12/14/16 12:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/14/16 12:43	1
Trichloroethene	ND		1.0	0.46	ug/L			12/14/16 12:43	1
Vinyl chloride	9.5		1.0	0.90	ug/L			12/14/16 12:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/14/16 12:43	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104			77 - 120				12/14/16 12:43	1
Toluene-d8 (Surr)	102			80 - 120				12/14/16 12:43	1
4-Bromofluorobenzene (Surr)	93			73 - 120				12/14/16 12:43	1
Dibromofluoromethane (Surr)	107			75 - 123				12/14/16 12:43	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: TRIP BLANK-120716

Lab Sample ID: 480-110778-10

Matrix: Water

Date Collected: 12/07/16 00:00

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 01:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 01:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 01:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 01:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 01:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 01:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 01:26	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 01:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 01:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 01:26	1
Acetone	ND		10	3.0	ug/L			12/13/16 01:26	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 01:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 01:26	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 01:26	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 01:26	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 01:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 01:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 01:26	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 01:26	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 01:26	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 01:26	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 01:26	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/13/16 01:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 01:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 01:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 01:26	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 01:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 01:26	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 01:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 01:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 01:26	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 01:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/13/16 01:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 01:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		12/13/16 01:26	1
Toluene-d8 (Surr)	102		80 - 120		12/13/16 01:26	1
4-Bromofluorobenzene (Surr)	94		73 - 120		12/13/16 01:26	1
Dibromofluoromethane (Surr)	105		75 - 123		12/13/16 01:26	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-3S-120816

Lab Sample ID: 480-110853-1

Date Collected: 12/08/16 09:15

Matrix: Water

Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 11:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 11:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 11:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 11:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 11:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 11:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 11:40	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 11:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 11:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 11:40	1
Acetone	15		10	3.0	ug/L			12/13/16 11:40	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 11:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 11:40	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 11:40	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 11:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 11:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 11:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 11:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 11:40	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 11:40	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 11:40	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 11:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/13/16 11:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 11:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 11:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 11:40	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 11:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 11:40	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 11:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 11:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 11:40	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 11:40	1
Vinyl chloride	2.2		1.0	0.90	ug/L			12/13/16 11:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 11:40	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101			77 - 120				12/13/16 11:40	1
Toluene-d8 (Surr)	101			80 - 120				12/13/16 11:40	1
4-Bromofluorobenzene (Surr)	90			73 - 120				12/13/16 11:40	1
Dibromofluoromethane (Surr)	101			75 - 123				12/13/16 11:40	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-3D-120816

Lab Sample ID: 480-110853-2

Matrix: Water

Date Collected: 12/08/16 09:20

Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 12:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 12:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 12:04	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 12:04	1
1,1-Dichloroethene	0.65 J		1.0	0.29	ug/L			12/13/16 12:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 12:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 12:04	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 12:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 12:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 12:04	1
Acetone	24		10	3.0	ug/L			12/13/16 12:04	1
Benzene	1.1		1.0	0.41	ug/L			12/13/16 12:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 12:04	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 12:04	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 12:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 12:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 12:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 12:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 12:04	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 12:04	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 12:04	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 12:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 12:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 12:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 12:04	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 12:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 12:04	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 12:04	1
trans-1,2-Dichloroethene	30		1.0	0.90	ug/L			12/13/16 12:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 12:04	1
Vinyl chloride	2.9		1.0	0.90	ug/L			12/13/16 12:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 12:04	1

Surrogate

	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		12/13/16 12:04	1
Toluene-d8 (Surr)	102		80 - 120		12/13/16 12:04	1
4-Bromofluorobenzene (Surr)	90		73 - 120		12/13/16 12:04	1
Dibromofluoromethane (Surr)	102		75 - 123		12/13/16 12:04	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	230		10	8.1	ug/L			12/14/16 13:06	10
Trichloroethene	390		10	4.6	ug/L			12/14/16 13:06	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120				12/14/16 13:06	10	
Toluene-d8 (Surr)	102		80 - 120				12/14/16 13:06	10	
4-Bromofluorobenzene (Surr)	90		73 - 120				12/14/16 13:06	10	
Dibromofluoromethane (Surr)	106		75 - 123				12/14/16 13:06	10	

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: TMW-1D-120816

Date Collected: 12/08/16 10:00

Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-3

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 12:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 12:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 12:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 12:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 12:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 12:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 12:27	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 12:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 12:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 12:27	1
Acetone	21		10	3.0	ug/L			12/13/16 12:27	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 12:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 12:27	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 12:27	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 12:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 12:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 12:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 12:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 12:27	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 12:27	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 12:27	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 12:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/13/16 12:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 12:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 12:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 12:27	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 12:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 12:27	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 12:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 12:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 12:27	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 12:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/13/16 12:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 12:27	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107			77 - 120				12/13/16 12:27	1
Toluene-d8 (Surr)	102			80 - 120				12/13/16 12:27	1
4-Bromofluorobenzene (Surr)	91			73 - 120				12/13/16 12:27	1
Dibromofluoromethane (Surr)	106			75 - 123				12/13/16 12:27	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-5D-120816

Date Collected: 12/08/16 10:15

Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-4

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 12:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 12:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 12:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 12:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 12:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 12:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 12:50	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 12:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 12:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 12:50	1
Acetone	ND		10	3.0	ug/L			12/13/16 12:50	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 12:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 12:50	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 12:50	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 12:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 12:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 12:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 12:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 12:50	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 12:50	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 12:50	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 12:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/13/16 12:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 12:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 12:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 12:50	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 12:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 12:50	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 12:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 12:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 12:50	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 12:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/13/16 12:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 12:50	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104			77 - 120				12/13/16 12:50	1
Toluene-d8 (Surr)	100			80 - 120				12/13/16 12:50	1
4-Bromofluorobenzene (Surr)	92			73 - 120				12/13/16 12:50	1
Dibromofluoromethane (Surr)	105			75 - 123				12/13/16 12:50	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-21D-120816

Lab Sample ID: 480-110853-5

Matrix: Water

Date Collected: 12/08/16 10:44
 Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 13:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 13:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 13:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 13:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 13:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 13:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 13:13	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 13:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 13:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 13:13	1
Acetone	ND		10	3.0	ug/L			12/13/16 13:13	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 13:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 13:13	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 13:13	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 13:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 13:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 13:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 13:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 13:13	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 13:13	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 13:13	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 13:13	1
cis-1,2-Dichloroethene	1.3		1.0	0.81	ug/L			12/13/16 13:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 13:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 13:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 13:13	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 13:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 13:13	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 13:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 13:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 13:13	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 13:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/13/16 13:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 13:13	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104			77 - 120				12/13/16 13:13	1
Toluene-d8 (Surr)	100			80 - 120				12/13/16 13:13	1
4-Bromofluorobenzene (Surr)	93			73 - 120				12/13/16 13:13	1
Dibromofluoromethane (Surr)	106			75 - 123				12/13/16 13:13	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: TMW-2D-120816

Lab Sample ID: 480-110853-6

Matrix: Water

Date Collected: 12/08/16 10:57

Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			12/13/16 13:36	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			12/13/16 13:36	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			12/13/16 13:36	10
1,1-Dichloroethane	ND		10	3.8	ug/L			12/13/16 13:36	10
1,1-Dichloroethene	ND		10	2.9	ug/L			12/13/16 13:36	10
1,2-Dichloroethane	ND		10	2.1	ug/L			12/13/16 13:36	10
1,2-Dichloropropane	ND		10	7.2	ug/L			12/13/16 13:36	10
2-Hexanone	ND		50	12	ug/L			12/13/16 13:36	10
2-Butanone (MEK)	ND		100	13	ug/L			12/13/16 13:36	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			12/13/16 13:36	10
Acetone	ND		100	30	ug/L			12/13/16 13:36	10
Benzene	ND		10	4.1	ug/L			12/13/16 13:36	10
Bromodichloromethane	ND		10	3.9	ug/L			12/13/16 13:36	10
Bromoform	ND		10	2.6	ug/L			12/13/16 13:36	10
Bromomethane	ND		10	6.9	ug/L			12/13/16 13:36	10
Carbon disulfide	ND		10	1.9	ug/L			12/13/16 13:36	10
Carbon tetrachloride	ND		10	2.7	ug/L			12/13/16 13:36	10
Chlorobenzene	ND		10	7.5	ug/L			12/13/16 13:36	10
Dibromochloromethane	ND		10	3.2	ug/L			12/13/16 13:36	10
Chloroethane	ND		10	3.2	ug/L			12/13/16 13:36	10
Chloroform	ND		10	3.4	ug/L			12/13/16 13:36	10
Chloromethane	ND		10	3.5	ug/L			12/13/16 13:36	10
cis-1,2-Dichloroethene	570		10	8.1	ug/L			12/13/16 13:36	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			12/13/16 13:36	10
Ethylbenzene	ND		10	7.4	ug/L			12/13/16 13:36	10
Methylene Chloride	ND		10	4.4	ug/L			12/13/16 13:36	10
Styrene	ND		10	7.3	ug/L			12/13/16 13:36	10
Tetrachloroethene	ND		10	3.6	ug/L			12/13/16 13:36	10
Toluene	ND		10	5.1	ug/L			12/13/16 13:36	10
trans-1,2-Dichloroethene	160		10	9.0	ug/L			12/13/16 13:36	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			12/13/16 13:36	10
Trichloroethene	ND		10	4.6	ug/L			12/13/16 13:36	10
Vinyl chloride	33		10	9.0	ug/L			12/13/16 13:36	10
Xylenes, Total	ND		20	6.6	ug/L			12/13/16 13:36	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120					12/13/16 13:36	10
Toluene-d8 (Surr)	102		80 - 120					12/13/16 13:36	10
4-Bromofluorobenzene (Surr)	92		73 - 120					12/13/16 13:36	10
Dibromofluoromethane (Surr)	103		75 - 123					12/13/16 13:36	10

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-7D-120816

Lab Sample ID: 480-110853-7

Matrix: Water

Date Collected: 12/08/16 11:20

Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/14/16 13:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/14/16 13:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/14/16 13:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/14/16 13:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/14/16 13:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/14/16 13:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/14/16 13:29	1
2-Hexanone	ND		5.0	1.2	ug/L			12/14/16 13:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/14/16 13:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/14/16 13:29	1
Acetone	4.8 J		10	3.0	ug/L			12/14/16 13:29	1
Benzene	ND		1.0	0.41	ug/L			12/14/16 13:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/14/16 13:29	1
Bromoform	ND		1.0	0.26	ug/L			12/14/16 13:29	1
Bromomethane	ND		1.0	0.69	ug/L			12/14/16 13:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/14/16 13:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/14/16 13:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/14/16 13:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/14/16 13:29	1
Chloroethane	ND		1.0	0.32	ug/L			12/14/16 13:29	1
Chloroform	ND		1.0	0.34	ug/L			12/14/16 13:29	1
Chloromethane	ND		1.0	0.35	ug/L			12/14/16 13:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/14/16 13:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/14/16 13:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/14/16 13:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/14/16 13:29	1
Styrene	ND		1.0	0.73	ug/L			12/14/16 13:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/14/16 13:29	1
Toluene	ND		1.0	0.51	ug/L			12/14/16 13:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/14/16 13:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/14/16 13:29	1
Trichloroethene	ND		1.0	0.46	ug/L			12/14/16 13:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/14/16 13:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/14/16 13:29	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104			77 - 120				12/14/16 13:29	1
Toluene-d8 (Surr)	101			80 - 120				12/14/16 13:29	1
4-Bromofluorobenzene (Surr)	93			73 - 120				12/14/16 13:29	1
Dibromofluoromethane (Surr)	108			75 - 123				12/14/16 13:29	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-7S-120816

Lab Sample ID: 480-110853-8

Matrix: Water

Date Collected: 12/08/16 11:40
 Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			12/13/16 13:59	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			12/13/16 13:59	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			12/13/16 13:59	10
1,1-Dichloroethane	ND		10	3.8	ug/L			12/13/16 13:59	10
1,1-Dichloroethene	ND		10	2.9	ug/L			12/13/16 13:59	10
1,2-Dichloroethane	ND		10	2.1	ug/L			12/13/16 13:59	10
1,2-Dichloropropane	ND		10	7.2	ug/L			12/13/16 13:59	10
2-Hexanone	ND		50	12	ug/L			12/13/16 13:59	10
2-Butanone (MEK)	ND		100	13	ug/L			12/13/16 13:59	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			12/13/16 13:59	10
Acetone	ND		100	30	ug/L			12/13/16 13:59	10
Benzene	ND		10	4.1	ug/L			12/13/16 13:59	10
Bromodichloromethane	ND		10	3.9	ug/L			12/13/16 13:59	10
Bromoform	ND		10	2.6	ug/L			12/13/16 13:59	10
Bromomethane	ND		10	6.9	ug/L			12/13/16 13:59	10
Carbon disulfide	ND		10	1.9	ug/L			12/13/16 13:59	10
Carbon tetrachloride	ND		10	2.7	ug/L			12/13/16 13:59	10
Chlorobenzene	ND		10	7.5	ug/L			12/13/16 13:59	10
Dibromochloromethane	ND		10	3.2	ug/L			12/13/16 13:59	10
Chloroethane	ND		10	3.2	ug/L			12/13/16 13:59	10
Chloroform	ND		10	3.4	ug/L			12/13/16 13:59	10
Chloromethane	ND		10	3.5	ug/L			12/13/16 13:59	10
cis-1,2-Dichloroethene	310		10	8.1	ug/L			12/13/16 13:59	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			12/13/16 13:59	10
Ethylbenzene	ND		10	7.4	ug/L			12/13/16 13:59	10
Methylene Chloride	ND		10	4.4	ug/L			12/13/16 13:59	10
Styrene	ND		10	7.3	ug/L			12/13/16 13:59	10
Tetrachloroethene	ND		10	3.6	ug/L			12/13/16 13:59	10
Toluene	ND		10	5.1	ug/L			12/13/16 13:59	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			12/13/16 13:59	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			12/13/16 13:59	10
Trichloroethene	ND		10	4.6	ug/L			12/13/16 13:59	10
Vinyl chloride	550		10	9.0	ug/L			12/13/16 13:59	10
Xylenes, Total	ND		20	6.6	ug/L			12/13/16 13:59	10
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104			77 - 120				12/13/16 13:59	10
Toluene-d8 (Surr)	100			80 - 120				12/13/16 13:59	10
4-Bromofluorobenzene (Surr)	90			73 - 120				12/13/16 13:59	10
Dibromofluoromethane (Surr)	103			75 - 123				12/13/16 13:59	10

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-7P-120816

Lab Sample ID: 480-110853-9

Matrix: Water

Date Collected: 12/08/16 11:50

Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 14:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 14:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 14:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 14:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 14:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 14:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 14:22	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 14:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 14:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 14:22	1
Acetone	4.1 J		10	3.0	ug/L			12/13/16 14:22	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 14:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 14:22	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 14:22	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 14:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 14:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 14:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 14:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 14:22	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 14:22	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 14:22	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 14:22	1
cis-1,2-Dichloroethene	2.6		1.0	0.81	ug/L			12/13/16 14:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 14:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 14:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 14:22	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 14:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 14:22	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 14:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 14:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 14:22	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 14:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/13/16 14:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 14:22	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102			77 - 120				12/13/16 14:22	1
Toluene-d8 (Surr)	100			80 - 120				12/13/16 14:22	1
4-Bromofluorobenzene (Surr)	90			73 - 120				12/13/16 14:22	1
Dibromofluoromethane (Surr)	105			75 - 123				12/13/16 14:22	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-4S-120816

Lab Sample ID: 480-110853-10

Matrix: Water

Date Collected: 12/08/16 12:40
 Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 14:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 14:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 14:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 14:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 14:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 14:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 14:45	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 14:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 14:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 14:45	1
Acetone	ND		10	3.0	ug/L			12/13/16 14:45	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 14:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 14:45	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 14:45	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 14:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 14:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 14:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 14:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 14:45	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 14:45	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 14:45	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 14:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/13/16 14:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 14:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 14:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 14:45	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 14:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 14:45	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 14:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 14:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 14:45	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 14:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/13/16 14:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		12/13/16 14:45	1
Toluene-d8 (Surr)	101		80 - 120		12/13/16 14:45	1
4-Bromofluorobenzene (Surr)	89		73 - 120		12/13/16 14:45	1
Dibromofluoromethane (Surr)	102		75 - 123		12/13/16 14:45	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-4D-120816

Lab Sample ID: 480-110853-11

Matrix: Water

Date Collected: 12/08/16 12:50
 Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 15:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 15:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 15:09	1
1,1-Dichloroethane	0.60 J		1.0	0.38	ug/L			12/13/16 15:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 15:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 15:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 15:09	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 15:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 15:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 15:09	1
Acetone	4.4 J		10	3.0	ug/L			12/13/16 15:09	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 15:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 15:09	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 15:09	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 15:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 15:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 15:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 15:09	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 15:09	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 15:09	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 15:09	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 15:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/13/16 15:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 15:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 15:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 15:09	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 15:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 15:09	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 15:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 15:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 15:09	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 15:09	1
Vinyl chloride	2.5		1.0	0.90	ug/L			12/13/16 15:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 15:09	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105			77 - 120				12/13/16 15:09	1
Toluene-d8 (Surr)	101			80 - 120				12/13/16 15:09	1
4-Bromofluorobenzene (Surr)	91			73 - 120				12/13/16 15:09	1
Dibromofluoromethane (Surr)	107			75 - 123				12/13/16 15:09	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-6S-120816

Lab Sample ID: 480-110853-12

Matrix: Water

Date Collected: 12/08/16 13:10
 Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 15:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 15:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 15:32	1
1,1-Dichloroethane	1.4		1.0	0.38	ug/L			12/13/16 15:32	1
1,1-Dichloroethene	1.8		1.0	0.29	ug/L			12/13/16 15:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 15:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 15:32	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 15:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 15:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 15:32	1
Acetone	ND		10	3.0	ug/L			12/13/16 15:32	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 15:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 15:32	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 15:32	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 15:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 15:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 15:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 15:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 15:32	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 15:32	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 15:32	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 15:32	1
cis-1,2-Dichloroethene	18		1.0	0.81	ug/L			12/13/16 15:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 15:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 15:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 15:32	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 15:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 15:32	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 15:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 15:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 15:32	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 15:32	1
Vinyl chloride	7.2		1.0	0.90	ug/L			12/13/16 15:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 15:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		12/13/16 15:32	1
Toluene-d8 (Surr)	103		80 - 120		12/13/16 15:32	1
4-Bromofluorobenzene (Surr)	91		73 - 120		12/13/16 15:32	1
Dibromofluoromethane (Surr)	109		75 - 123		12/13/16 15:32	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-6D-120816

Lab Sample ID: 480-110853-13

Matrix: Water

Date Collected: 12/08/16 13:20
 Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 15:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 15:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 15:55	1
1,1-Dichloroethane	4.2		1.0	0.38	ug/L			12/13/16 15:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 15:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 15:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 15:55	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 15:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 15:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 15:55	1
Acetone	4.0 J		10	3.0	ug/L			12/13/16 15:55	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 15:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 15:55	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 15:55	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 15:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 15:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 15:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 15:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 15:55	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 15:55	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 15:55	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 15:55	1
cis-1,2-Dichloroethene	18		1.0	0.81	ug/L			12/13/16 15:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 15:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 15:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 15:55	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 15:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 15:55	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 15:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 15:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 15:55	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 15:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 15:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		12/13/16 15:55	1
Toluene-d8 (Surr)	102		80 - 120		12/13/16 15:55	1
4-Bromofluorobenzene (Surr)	90		73 - 120		12/13/16 15:55	1
Dibromofluoromethane (Surr)	106		75 - 123		12/13/16 15:55	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	200		4.0	3.6	ug/L			12/14/16 13:52	4
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		12/14/16 13:52	4			
Toluene-d8 (Surr)	100		80 - 120		12/14/16 13:52	4			
4-Bromofluorobenzene (Surr)	89		73 - 120		12/14/16 13:52	4			
Dibromofluoromethane (Surr)	104		75 - 123		12/14/16 13:52	4			

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-7D-120816

Lab Sample ID: 480-110853-14

Matrix: Water

Date Collected: 12/08/16 13:35
 Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 16:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 16:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 16:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 16:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 16:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 16:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 16:18	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 16:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 16:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 16:18	1
Acetone	3.4 J		10	3.0	ug/L			12/13/16 16:18	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 16:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 16:18	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 16:18	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 16:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 16:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 16:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 16:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 16:18	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 16:18	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 16:18	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 16:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/13/16 16:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 16:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 16:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 16:18	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 16:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 16:18	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 16:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 16:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 16:18	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 16:18	1
Vinyl chloride	9.0		1.0	0.90	ug/L			12/13/16 16:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 16:18	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105			77 - 120				12/13/16 16:18	1
Toluene-d8 (Surr)	102			80 - 120				12/13/16 16:18	1
4-Bromofluorobenzene (Surr)	91			73 - 120				12/13/16 16:18	1
Dibromofluoromethane (Surr)	106			75 - 123				12/13/16 16:18	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-8D-120816

Lab Sample ID: 480-110853-15

Matrix: Water

Date Collected: 12/08/16 14:00

Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 16:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 16:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 16:41	1
1,1-Dichloroethane	1.3		1.0	0.38	ug/L			12/13/16 16:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 16:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 16:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 16:41	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 16:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 16:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 16:41	1
Acetone	ND		10	3.0	ug/L			12/13/16 16:41	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 16:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 16:41	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 16:41	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 16:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 16:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 16:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 16:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 16:41	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 16:41	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 16:41	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 16:41	1
cis-1,2-Dichloroethene	30		1.0	0.81	ug/L			12/13/16 16:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 16:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 16:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 16:41	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 16:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 16:41	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 16:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 16:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 16:41	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 16:41	1
Vinyl chloride	64		1.0	0.90	ug/L			12/13/16 16:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 16:41	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108			77 - 120				12/13/16 16:41	1
Toluene-d8 (Surr)	102			80 - 120				12/13/16 16:41	1
4-Bromofluorobenzene (Surr)	89			73 - 120				12/13/16 16:41	1
Dibromofluoromethane (Surr)	107			75 - 123				12/13/16 16:41	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-1D-120816

Lab Sample ID: 480-110853-16

Matrix: Water

Date Collected: 12/08/16 14:30
 Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 17:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 17:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 17:04	1
1,1-Dichloroethane	1.6		1.0	0.38	ug/L			12/13/16 17:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 17:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 17:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 17:04	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 17:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 17:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 17:04	1
Acetone	ND		10	3.0	ug/L			12/13/16 17:04	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 17:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 17:04	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 17:04	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 17:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 17:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 17:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 17:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 17:04	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 17:04	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 17:04	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 17:04	1
cis-1,2-Dichloroethene	5.0		1.0	0.81	ug/L			12/13/16 17:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 17:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 17:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 17:04	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 17:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 17:04	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 17:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 17:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 17:04	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 17:04	1
Vinyl chloride	26		1.0	0.90	ug/L			12/13/16 17:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 17:04	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105			77 - 120				12/13/16 17:04	1
Toluene-d8 (Surr)	100			80 - 120				12/13/16 17:04	1
4-Bromofluorobenzene (Surr)	86			73 - 120				12/13/16 17:04	1
Dibromofluoromethane (Surr)	105			75 - 123				12/13/16 17:04	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: DUP-01-120816

Lab Sample ID: 480-110853-17

Matrix: Water

Date Collected: 12/08/16 12:00
 Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/14/16 14:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/14/16 14:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/14/16 14:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/14/16 14:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/14/16 14:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/14/16 14:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/14/16 14:15	1
2-Hexanone	ND		5.0	1.2	ug/L			12/14/16 14:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/14/16 14:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/14/16 14:15	1
Acetone	ND		10	3.0	ug/L			12/14/16 14:15	1
Benzene	ND		1.0	0.41	ug/L			12/14/16 14:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/14/16 14:15	1
Bromoform	ND		1.0	0.26	ug/L			12/14/16 14:15	1
Bromomethane	ND		1.0	0.69	ug/L			12/14/16 14:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/14/16 14:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/14/16 14:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/14/16 14:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/14/16 14:15	1
Chloroethane	ND		1.0	0.32	ug/L			12/14/16 14:15	1
Chloroform	ND		1.0	0.34	ug/L			12/14/16 14:15	1
Chloromethane	ND		1.0	0.35	ug/L			12/14/16 14:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/14/16 14:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/14/16 14:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/14/16 14:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/14/16 14:15	1
Styrene	ND		1.0	0.73	ug/L			12/14/16 14:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/14/16 14:15	1
Toluene	ND		1.0	0.51	ug/L			12/14/16 14:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/14/16 14:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/14/16 14:15	1
Trichloroethene	ND		1.0	0.46	ug/L			12/14/16 14:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/14/16 14:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/14/16 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		12/14/16 14:15	1
Toluene-d8 (Surr)	102		80 - 120		12/14/16 14:15	1
4-Bromofluorobenzene (Surr)	94		73 - 120		12/14/16 14:15	1
Dibromofluoromethane (Surr)	107		75 - 123		12/14/16 14:15	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: DUP-02-120816

Date Collected: 12/08/16 11:30
 Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-18

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/15/16 17:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/15/16 17:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/15/16 17:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/15/16 17:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/15/16 17:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/15/16 17:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/15/16 17:44	1
2-Hexanone	ND		5.0	1.2	ug/L			12/15/16 17:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/15/16 17:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/15/16 17:44	1
Acetone	5.7 J		10	3.0	ug/L			12/15/16 17:44	1
Benzene	ND		1.0	0.41	ug/L			12/15/16 17:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/15/16 17:44	1
Bromoform	ND		1.0	0.26	ug/L			12/15/16 17:44	1
Bromomethane	ND		1.0	0.69	ug/L			12/15/16 17:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/15/16 17:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/15/16 17:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/15/16 17:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/15/16 17:44	1
Chloroethane	ND		1.0	0.32	ug/L			12/15/16 17:44	1
Chloroform	ND		1.0	0.34	ug/L			12/15/16 17:44	1
Chloromethane	ND		1.0	0.35	ug/L			12/15/16 17:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/15/16 17:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/15/16 17:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/15/16 17:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/15/16 17:44	1
Styrene	ND		1.0	0.73	ug/L			12/15/16 17:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/15/16 17:44	1
Toluene	ND		1.0	0.51	ug/L			12/15/16 17:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/15/16 17:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/15/16 17:44	1
Trichloroethene	ND		1.0	0.46	ug/L			12/15/16 17:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/15/16 17:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/15/16 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		12/15/16 17:44	1
Toluene-d8 (Surr)	117		80 - 120		12/15/16 17:44	1
4-Bromofluorobenzene (Surr)	106		73 - 120		12/15/16 17:44	1
Dibromofluoromethane (Surr)	103		75 - 123		12/15/16 17:44	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: TRIP BLANK-120816

Lab Sample ID: 480-110853-19

Matrix: Water

Date Collected: 12/08/16 00:00

Date Received: 12/09/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/14/16 15:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/14/16 15:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/14/16 15:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/14/16 15:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/14/16 15:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/14/16 15:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/14/16 15:01	1
2-Hexanone	ND		5.0	1.2	ug/L			12/14/16 15:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/14/16 15:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/14/16 15:01	1
Acetone	6.5 J		10	3.0	ug/L			12/14/16 15:01	1
Benzene	ND		1.0	0.41	ug/L			12/14/16 15:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/14/16 15:01	1
Bromoform	ND		1.0	0.26	ug/L			12/14/16 15:01	1
Bromomethane	ND		1.0	0.69	ug/L			12/14/16 15:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/14/16 15:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/14/16 15:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/14/16 15:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/14/16 15:01	1
Chloroethane	ND		1.0	0.32	ug/L			12/14/16 15:01	1
Chloroform	ND		1.0	0.34	ug/L			12/14/16 15:01	1
Chloromethane	ND		1.0	0.35	ug/L			12/14/16 15:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/14/16 15:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/14/16 15:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/14/16 15:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/14/16 15:01	1
Styrene	ND		1.0	0.73	ug/L			12/14/16 15:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/14/16 15:01	1
Toluene	ND		1.0	0.51	ug/L			12/14/16 15:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/14/16 15:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/14/16 15:01	1
Trichloroethene	ND		1.0	0.46	ug/L			12/14/16 15:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/14/16 15:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/14/16 15:01	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104			77 - 120				12/14/16 15:01	1
Toluene-d8 (Surr)	102			80 - 120				12/14/16 15:01	1
4-Bromofluorobenzene (Surr)	92			73 - 120				12/14/16 15:01	1
Dibromofluoromethane (Surr)	106			75 - 123				12/14/16 15:01	1

TestAmerica Buffalo

Surrogate Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Ground Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	12DCE (77-120)	TOL (80-120)	BFB (73-120)	DBFM (75-123)				
480-110652-3	AOC-PSTMW-2S-120616	100	95	99	99				
480-110652-4	AF-2P-120616	98	97	97	101				
480-110652-5	AF-3P-120616	103	96	97	103				
480-110652-6	AF-5P-120616	96	94	96	97				
480-110652-7	AF-5S-120616	107	96	102	106				
480-110652-8	AF-25P-120616	102	96	100	104				

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
 TOL = Toluene-d8 (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	12DCE (77-120)	TOL (80-120)	BFB (73-120)	DBFM (75-123)				
480-110652-1	AOC-LDMW-1S-120616	102	94	99	104				
480-110652-2	AOC-PSTMW-1SR-120616	104	96	97	104				
480-110652-9	AF-24P-120616	100	96	97	102				
480-110652-9 - DL	AF-24P-120616	98	96	98	101				
480-110652-10	TRIP BLANK-120616	100	96	102	102				
480-110778-1	TMW-1S-120716	107	101	92	107				
480-110778-2	TMW-2S-120716	108	91	82	100				
480-110778-3	AF-9S-120716	108	103	91	101				
480-110778-4	OSMW-2P-120716	104	99	89	106				
480-110778-5	OSMW-1P-120716	106	100	91	104				
480-110778-6	OSMW-1S-120716	102	103	93	105				
480-110778-7	H-221-120716	104	102	92	105				
480-110778-8	OSMW-5D-120716	106	101	91	104				
480-110778-9	OSMW-5S-120716	104	102	93	107				
480-110778-10	TRIP BLANK-120716	102	102	94	105				
480-110853-1	OSMW-3S-120816	101	101	90	101				
480-110853-2	OSMW-3D-120816	99	102	90	102				
480-110853-2 - DL	OSMW-3D-120816	103	102	90	106				
480-110853-3	TMW-1D-120816	107	102	91	106				
480-110853-4	AF-5D-120816	104	100	92	105				
480-110853-4 MS	AF-5D-120816	102	106	96	102				
480-110853-4 MSD	AF-5D-120816	97	105	94	100				
480-110853-5	AF-21D-120816	104	100	93	106				
480-110853-6	TMW-2D-120816	104	102	92	103				
480-110853-7	AF-7D-120816	104	101	93	108				
480-110853-7 MS	AF-7D-120816	101	104	95	102				
480-110853-7 MSD	AF-7D-120816	98	103	94	101				
480-110853-8	AF-7S-120816	104	100	90	103				
480-110853-9	AF-7P-120816	102	100	90	105				
480-110853-10	OSMW-4S-120816	101	101	89	102				

TestAmerica Buffalo

Surrogate Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (77-120)	TOL (80-120)	BFB (73-120)	DBFM (75-123)
480-110853-11	OSMW-4D-120816	105	101	91	107
480-110853-12	OSMW-6S-120816	104	103	91	109
480-110853-13	OSMW-6D-120816	104	102	90	106
480-110853-13 - DL	OSMW-6D-120816	107	100	89	104
480-110853-14	OSMW-7D-120816	105	102	91	106
480-110853-15	OSMW-8D-120816	108	102	89	107
480-110853-16	OSMW-1D-120816	105	100	86	105
480-110853-17	DUP-01-120816	106	102	94	107
480-110853-18	DUP-02-120816	103	117	106	103
480-110853-19	TRIP BLANK-120816	104	102	92	106
LCS 480-335549/4	Lab Control Sample	98	98	99	101
LCS 480-335719/5	Lab Control Sample	98	99	100	97
LCS 480-336000/4	Lab Control Sample	99	106	97	104
LCS 480-336071/4	Lab Control Sample	99	104	96	102
LCS 480-336295/4	Lab Control Sample	98	106	95	100
LCS 480-336531/4	Lab Control Sample	96	104	95	99
MB 480-335549/6	Method Blank	97	96	99	100
MB 480-335719/7	Method Blank	104	96	98	100
MB 480-336000/6	Method Blank	104	101	92	106
MB 480-336071/6	Method Blank	102	102	91	105
MB 480-336295/6	Method Blank	103	102	94	102
MB 480-336531/6	Method Blank	104	102	94	105

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-335549/6

Matrix: Water

Analysis Batch: 335549

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/09/16 10:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/16 10:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/16 10:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/09/16 10:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/16 10:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/16 10:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/16 10:39	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/16 10:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/16 10:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/16 10:39	1
Acetone	ND		10	3.0	ug/L			12/09/16 10:39	1
Benzene	ND		1.0	0.41	ug/L			12/09/16 10:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/16 10:39	1
Bromoform	ND		1.0	0.26	ug/L			12/09/16 10:39	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/16 10:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/16 10:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/16 10:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/16 10:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/16 10:39	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/16 10:39	1
Chloroform	ND		1.0	0.34	ug/L			12/09/16 10:39	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/16 10:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/09/16 10:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/16 10:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/16 10:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/16 10:39	1
Styrene	ND		1.0	0.73	ug/L			12/09/16 10:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/16 10:39	1
Toluene	ND		1.0	0.51	ug/L			12/09/16 10:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/16 10:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/16 10:39	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/16 10:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/16 10:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/16 10:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		12/09/16 10:39	1
Toluene-d8 (Surr)	96		80 - 120		12/09/16 10:39	1
4-Bromofluorobenzene (Surr)	99		73 - 120		12/09/16 10:39	1
Dibromofluoromethane (Surr)	100		75 - 123		12/09/16 10:39	1

Lab Sample ID: LCS 480-335549/4

Matrix: Water

Analysis Batch: 335549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
1,1,1-Trichloroethane	25.0	25.3		ug/L		101	73 - 126	
1,1,2,2-Tetrachloroethane	25.0	22.2		ug/L		89	76 - 120	

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-335549/4

Matrix: Water

Analysis Batch: 335549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits	
	Added	Result	Qualifier						
1,1,2-Trichloroethane	25.0	21.0		ug/L		84	76 - 122		
1,1-Dichloroethane	25.0	22.6		ug/L		91	77 - 120		
1,1-Dichloroethene	25.0	24.4		ug/L		98	66 - 127		
1,2-Dichloroethane	25.0	23.0		ug/L		92	75 - 120		
1,2-Dichloropropane	25.0	24.0		ug/L		96	76 - 120		
2-Hexanone	125	96.3		ug/L		77	65 - 127		
2-Butanone (MEK)	125	96.1		ug/L		77	57 - 140		
4-Methyl-2-pentanone (MIBK)	125	99.9		ug/L		80	71 - 125		
Acetone	125	85.9		ug/L		69	56 - 142		
Benzene	25.0	24.0		ug/L		96	71 - 124		
Bromodichloromethane	25.0	22.7		ug/L		91	80 - 122		
Bromoform	25.0	22.6		ug/L		90	61 - 132		
Bromomethane	25.0	28.9		ug/L		116	55 - 144		
Carbon disulfide	25.0	23.0		ug/L		92	59 - 134		
Carbon tetrachloride	25.0	24.8		ug/L		99	72 - 134		
Chlorobenzene	25.0	23.4		ug/L		93	80 - 120		
Dibromochloromethane	25.0	22.4		ug/L		90	75 - 125		
Chloroethane	25.0	26.1		ug/L		104	69 - 136		
Chloroform	25.0	24.3		ug/L		97	73 - 127		
Chloromethane	25.0	22.7		ug/L		91	68 - 124		
cis-1,2-Dichloroethene	25.0	24.5		ug/L		98	74 - 124		
cis-1,3-Dichloropropene	25.0	23.4		ug/L		93	74 - 124		
Ethylbenzene	25.0	23.6		ug/L		94	77 - 123		
Methylene Chloride	25.0	23.0		ug/L		92	75 - 124		
Styrene	25.0	24.4		ug/L		98	80 - 120		
Tetrachloroethene	25.0	24.9		ug/L		100	74 - 122		
Toluene	25.0	23.6		ug/L		95	80 - 122		
trans-1,2-Dichloroethene	25.0	23.6		ug/L		94	73 - 127		
trans-1,3-Dichloropropene	25.0	23.5		ug/L		94	80 - 120		
Trichloroethene	25.0	25.0		ug/L		100	74 - 123		
Vinyl chloride	25.0	26.2		ug/L		105	65 - 133		
Xylenes, Total	50.0	48.2		ug/L		96	76 - 122		

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	98		77 - 120
Toluene-d8 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	99		73 - 120
Dibromofluoromethane (Surr)	101		75 - 123

Lab Sample ID: MB 480-335719/7

Matrix: Water

Analysis Batch: 335719

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/09/16 21:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/16 21:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/16 21:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/09/16 21:30	1

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-335719/7

Matrix: Water

Analysis Batch: 335719

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND				1.0	0.29	ug/L			12/09/16 21:30	1
1,2-Dichloroethane	ND				1.0	0.21	ug/L			12/09/16 21:30	1
1,2-Dichloropropane	ND				1.0	0.72	ug/L			12/09/16 21:30	1
2-Hexanone	ND				5.0	1.2	ug/L			12/09/16 21:30	1
2-Butanone (MEK)	ND				10	1.3	ug/L			12/09/16 21:30	1
4-Methyl-2-pentanone (MIBK)	ND				5.0	2.1	ug/L			12/09/16 21:30	1
Acetone	ND				10	3.0	ug/L			12/09/16 21:30	1
Benzene	ND				1.0	0.41	ug/L			12/09/16 21:30	1
Bromodichloromethane	ND				1.0	0.39	ug/L			12/09/16 21:30	1
Bromoform	ND				1.0	0.26	ug/L			12/09/16 21:30	1
Bromomethane	ND				1.0	0.69	ug/L			12/09/16 21:30	1
Carbon disulfide	ND				1.0	0.19	ug/L			12/09/16 21:30	1
Carbon tetrachloride	ND				1.0	0.27	ug/L			12/09/16 21:30	1
Chlorobenzene	ND				1.0	0.75	ug/L			12/09/16 21:30	1
Dibromochloromethane	ND				1.0	0.32	ug/L			12/09/16 21:30	1
Chloroethane	ND				1.0	0.32	ug/L			12/09/16 21:30	1
Chloroform	ND				1.0	0.34	ug/L			12/09/16 21:30	1
Chloromethane	ND				1.0	0.35	ug/L			12/09/16 21:30	1
cis-1,2-Dichloroethene	ND				1.0	0.81	ug/L			12/09/16 21:30	1
cis-1,3-Dichloropropene	ND				1.0	0.36	ug/L			12/09/16 21:30	1
Ethylbenzene	ND				1.0	0.74	ug/L			12/09/16 21:30	1
Methylene Chloride	ND				1.0	0.44	ug/L			12/09/16 21:30	1
Styrene	ND				1.0	0.73	ug/L			12/09/16 21:30	1
Tetrachloroethene	ND				1.0	0.36	ug/L			12/09/16 21:30	1
Toluene	ND				1.0	0.51	ug/L			12/09/16 21:30	1
trans-1,2-Dichloroethene	ND				1.0	0.90	ug/L			12/09/16 21:30	1
trans-1,3-Dichloropropene	ND				1.0	0.37	ug/L			12/09/16 21:30	1
Trichloroethene	ND				1.0	0.46	ug/L			12/09/16 21:30	1
Vinyl chloride	ND				1.0	0.90	ug/L			12/09/16 21:30	1
Xylenes, Total	ND				2.0	0.66	ug/L			12/09/16 21:30	1

Surrogate	MB	MB	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	ND		104		77 - 120			12/09/16 21:30	1
Toluene-d8 (Surr)	ND		96		80 - 120			12/09/16 21:30	1
4-Bromofluorobenzene (Surr)	ND		98		73 - 120			12/09/16 21:30	1
Dibromofluoromethane (Surr)	ND		100		75 - 123			12/09/16 21:30	1

Lab Sample ID: LCS 480-335719/5

Matrix: Water

Analysis Batch: 335719

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Result	Qualifier	Unit	D	%Rec.	Limits
	Added								
1,1,1-Trichloroethane	25.0		22.1			ug/L		89	73 - 126
1,1,2,2-Tetrachloroethane	25.0		22.1			ug/L		89	76 - 120
1,1,2-Trichloroethane	25.0		22.0			ug/L		88	76 - 122
1,1-Dichloroethane	25.0		22.5			ug/L		90	77 - 120
1,1-Dichloroethene	25.0		20.8			ug/L		83	66 - 127
1,2-Dichloroethane	25.0		24.3			ug/L		97	75 - 120

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-335719/5

Matrix: Water

Analysis Batch: 335719

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits	
	Added	Result	Qualifier						
1,2-Dichloropropane	25.0	23.5		ug/L		94	76 - 120		
2-Hexanone	125	107		ug/L		86	65 - 127		
2-Butanone (MEK)	125	118		ug/L		94	57 - 140		
4-Methyl-2-pentanone (MIBK)	125	102		ug/L		82	71 - 125		
Acetone	125	148		ug/L		118	56 - 142		
Benzene	25.0	23.2		ug/L		93	71 - 124		
Bromodichloromethane	25.0	22.4		ug/L		90	80 - 122		
Bromoform	25.0	20.9		ug/L		83	61 - 132		
Bromomethane	25.0	26.4		ug/L		106	55 - 144		
Carbon disulfide	25.0	19.6		ug/L		78	59 - 134		
Carbon tetrachloride	25.0	20.5		ug/L		82	72 - 134		
Chlorobenzene	25.0	23.8		ug/L		95	80 - 120		
Dibromochloromethane	25.0	22.1		ug/L		88	75 - 125		
Chloroethane	25.0	23.0		ug/L		92	69 - 136		
Chloroform	25.0	24.3		ug/L		97	73 - 127		
Chloromethane	25.0	20.8		ug/L		83	68 - 124		
cis-1,2-Dichloroethene	25.0	24.3		ug/L		97	74 - 124		
cis-1,3-Dichloropropene	25.0	23.3		ug/L		93	74 - 124		
Ethylbenzene	25.0	22.5		ug/L		90	77 - 123		
Methylene Chloride	25.0	23.3		ug/L		93	75 - 124		
Styrene	25.0	24.3		ug/L		97	80 - 120		
Tetrachloroethene	25.0	22.1		ug/L		89	74 - 122		
Toluene	25.0	23.2		ug/L		93	80 - 122		
trans-1,2-Dichloroethene	25.0	22.0		ug/L		88	73 - 127		
trans-1,3-Dichloropropene	25.0	23.3		ug/L		93	80 - 120		
Trichloroethene	25.0	22.6		ug/L		90	74 - 123		
Vinyl chloride	25.0	22.3		ug/L		89	65 - 133		
Xylenes, Total	50.0	46.7		ug/L		93	76 - 122		

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	98		77 - 120
Toluene-d8 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	100		73 - 120
Dibromofluoromethane (Surr)	97		75 - 123

Lab Sample ID: MB 480-336000/6

Matrix: Water

Analysis Batch: 336000

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/16 21:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/16 21:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/16 21:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/16 21:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/16 21:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/16 21:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/16 21:01	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/16 21:01	1

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-336000/6

Matrix: Water

Analysis Batch: 336000

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier									
2-Butanone (MEK)	ND				10	1.3	ug/L			12/12/16 21:01	1
4-Methyl-2-pentanone (MIBK)	ND				5.0	2.1	ug/L			12/12/16 21:01	1
Acetone	ND				10	3.0	ug/L			12/12/16 21:01	1
Benzene	ND				1.0	0.41	ug/L			12/12/16 21:01	1
Bromodichloromethane	ND				1.0	0.39	ug/L			12/12/16 21:01	1
Bromoform	ND				1.0	0.26	ug/L			12/12/16 21:01	1
Bromomethane	ND				1.0	0.69	ug/L			12/12/16 21:01	1
Carbon disulfide	ND				1.0	0.19	ug/L			12/12/16 21:01	1
Carbon tetrachloride	ND				1.0	0.27	ug/L			12/12/16 21:01	1
Chlorobenzene	ND				1.0	0.75	ug/L			12/12/16 21:01	1
Dibromochloromethane	ND				1.0	0.32	ug/L			12/12/16 21:01	1
Chloroethane	ND				1.0	0.32	ug/L			12/12/16 21:01	1
Chloroform	ND				1.0	0.34	ug/L			12/12/16 21:01	1
Chloromethane	ND				1.0	0.35	ug/L			12/12/16 21:01	1
cis-1,2-Dichloroethene	ND				1.0	0.81	ug/L			12/12/16 21:01	1
cis-1,3-Dichloropropene	ND				1.0	0.36	ug/L			12/12/16 21:01	1
Ethylbenzene	ND				1.0	0.74	ug/L			12/12/16 21:01	1
Methylene Chloride	ND				1.0	0.44	ug/L			12/12/16 21:01	1
Styrene	ND				1.0	0.73	ug/L			12/12/16 21:01	1
Tetrachloroethene	ND				1.0	0.36	ug/L			12/12/16 21:01	1
Toluene	ND				1.0	0.51	ug/L			12/12/16 21:01	1
trans-1,2-Dichloroethene	ND				1.0	0.90	ug/L			12/12/16 21:01	1
trans-1,3-Dichloropropene	ND				1.0	0.37	ug/L			12/12/16 21:01	1
Trichloroethene	ND				1.0	0.46	ug/L			12/12/16 21:01	1
Vinyl chloride	ND				1.0	0.90	ug/L			12/12/16 21:01	1
Xylenes, Total	ND				2.0	0.66	ug/L			12/12/16 21:01	1

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,2-Dichloroethane-d4 (Surr)	104		77 - 120				12/12/16 21:01	1
Toluene-d8 (Surr)	101		80 - 120				12/12/16 21:01	1
4-Bromofluorobenzene (Surr)	92		73 - 120				12/12/16 21:01	1
Dibromofluoromethane (Surr)	106		75 - 123				12/12/16 21:01	1

Lab Sample ID: LCS 480-336000/4

Matrix: Water

Analysis Batch: 336000

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
	Added							
1,1,1-Trichloroethane	25.0	25.6		ug/L		102	73 - 126	
1,1,2,2-Tetrachloroethane	25.0	25.8		ug/L		103	76 - 120	
1,1,2-Trichloroethane	25.0	25.5		ug/L		102	76 - 122	
1,1-Dichloroethane	25.0	24.7		ug/L		99	77 - 120	
1,1-Dichloroethene	25.0	24.8		ug/L		99	66 - 127	
1,2-Dichloroethane	25.0	22.0		ug/L		88	75 - 120	
1,2-Dichloropropane	25.0	25.2		ug/L		101	76 - 120	
2-Hexanone	125	112		ug/L		90	65 - 127	
2-Butanone (MEK)	125	115		ug/L		92	57 - 140	
4-Methyl-2-pentanone (MIBK)	125	111		ug/L		89	71 - 125	

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-336000/4

Matrix: Water

Analysis Batch: 336000

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
	Added	Result	Qualifier				Limits	
Acetone	125	128		ug/L		102	56 - 142	
Benzene	25.0	24.6		ug/L		99	71 - 124	
Bromodichloromethane	25.0	24.0		ug/L		96	80 - 122	
Bromoform	25.0	27.1		ug/L		109	61 - 132	
Bromomethane	25.0	25.9		ug/L		103	55 - 144	
Carbon disulfide	25.0	23.5		ug/L		94	59 - 134	
Carbon tetrachloride	25.0	25.8		ug/L		103	72 - 134	
Chlorobenzene	25.0	24.5		ug/L		98	80 - 120	
Dibromochloromethane	25.0	25.9		ug/L		104	75 - 125	
Chloroethane	25.0	28.8		ug/L		115	69 - 136	
Chloroform	25.0	24.2		ug/L		97	73 - 127	
Chloromethane	25.0	22.5		ug/L		90	68 - 124	
cis-1,2-Dichloroethene	25.0	25.1		ug/L		100	74 - 124	
cis-1,3-Dichloropropene	25.0	24.6		ug/L		98	74 - 124	
Ethylbenzene	25.0	23.7		ug/L		95	77 - 123	
Methylene Chloride	25.0	23.0		ug/L		92	75 - 124	
Styrene	25.0	24.0		ug/L		96	80 - 120	
Tetrachloroethylene	25.0	24.3		ug/L		97	74 - 122	
Toluene	25.0	24.7		ug/L		99	80 - 122	
trans-1,2-Dichloroethene	25.0	24.4		ug/L		98	73 - 127	
trans-1,3-Dichloropropene	25.0	25.0		ug/L		100	80 - 120	
Trichloroethylene	25.0	23.7		ug/L		95	74 - 123	
Vinyl chloride	25.0	26.6		ug/L		106	65 - 133	
Xylenes, Total	50.0	46.8		ug/L		94	76 - 122	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		77 - 120
Toluene-d8 (Surr)	106		80 - 120
4-Bromofluorobenzene (Surr)	97		73 - 120
Dibromofluoromethane (Surr)	104		75 - 123

Lab Sample ID: MB 480-336071/6

Matrix: Water

Analysis Batch: 336071

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 10:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 10:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 10:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 10:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 10:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 10:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 10:28	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 10:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 10:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 10:28	1
Acetone	ND		10	3.0	ug/L			12/13/16 10:28	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 10:28	1

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-336071/6

Matrix: Water

Analysis Batch: 336071

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 10:28	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 10:28	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 10:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 10:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 10:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 10:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 10:28	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 10:28	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 10:28	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 10:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/13/16 10:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 10:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 10:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 10:28	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 10:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 10:28	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 10:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 10:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 10:28	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 10:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/13/16 10:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 10:28	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		12/13/16 10:28	1
Toluene-d8 (Surr)	102		80 - 120		12/13/16 10:28	1
4-Bromofluorobenzene (Surr)	91		73 - 120		12/13/16 10:28	1
Dibromofluoromethane (Surr)	105		75 - 123		12/13/16 10:28	1

Lab Sample ID: LCS 480-336071/4

Matrix: Water

Analysis Batch: 336071

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
1,1,1-Trichloroethane	25.0	25.3		ug/L		101	73 - 126
1,1,2,2-Tetrachloroethane	25.0	28.7		ug/L		115	76 - 120
1,1,2-Trichloroethane	25.0	25.9		ug/L		104	76 - 122
1,1-Dichloroethane	25.0	24.9		ug/L		100	77 - 120
1,1-Dichloroethene	25.0	24.9		ug/L		99	66 - 127
1,2-Dichloroethane	25.0	22.6		ug/L		90	75 - 120
1,2-Dichloropropane	25.0	25.8		ug/L		103	76 - 120
2-Hexanone	125	114		ug/L		91	65 - 127
2-Butanone (MEK)	125	124		ug/L		99	57 - 140
4-Methyl-2-pentanone (MIBK)	125	112		ug/L		90	71 - 125
Acetone	125	137		ug/L		110	56 - 142
Benzene	25.0	25.2		ug/L		101	71 - 124
Bromodichloromethane	25.0	24.7		ug/L		99	80 - 122
Bromoform	25.0	26.5		ug/L		106	61 - 132

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-336071/4

Matrix: Water

Analysis Batch: 336071

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits	
	Added	Result	Qualifier						
Bromomethane	25.0	22.4		ug/L		90	55 - 144		
Carbon disulfide	25.0	23.4		ug/L		93	59 - 134		
Carbon tetrachloride	25.0	25.4		ug/L		102	72 - 134		
Chlorobenzene	25.0	24.9		ug/L		100	80 - 120		
Dibromochloromethane	25.0	25.6		ug/L		103	75 - 125		
Chloroethane	25.0	28.9		ug/L		116	69 - 136		
Chloroform	25.0	24.6		ug/L		98	73 - 127		
Chloromethane	25.0	22.0		ug/L		88	68 - 124		
cis-1,2-Dichloroethene	25.0	25.8		ug/L		103	74 - 124		
cis-1,3-Dichloropropene	25.0	25.2		ug/L		101	74 - 124		
Ethylbenzene	25.0	24.0		ug/L		96	77 - 123		
Methylene Chloride	25.0	23.8		ug/L		95	75 - 124		
Styrene	25.0	24.2		ug/L		97	80 - 120		
Tetrachloroethene	25.0	24.7		ug/L		99	74 - 122		
Toluene	25.0	24.7		ug/L		99	80 - 122		
trans-1,2-Dichloroethene	25.0	25.5		ug/L		102	73 - 127		
trans-1,3-Dichloropropene	25.0	25.3		ug/L		101	80 - 120		
Trichloroethene	25.0	24.7		ug/L		99	74 - 123		
Vinyl chloride	25.0	26.1		ug/L		104	65 - 133		
Xylenes, Total	50.0	46.8		ug/L		94	76 - 122		

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		77 - 120
Toluene-d8 (Surr)	104		80 - 120
4-Bromofluorobenzene (Surr)	96		73 - 120
Dibromofluoromethane (Surr)	102		75 - 123

Lab Sample ID: MB 480-336295/6

Matrix: Water

Analysis Batch: 336295

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane			ND		1.0	0.82	ug/L			12/14/16 10:49	1
1,1,2,2-Tetrachloroethane			ND		1.0	0.21	ug/L			12/14/16 10:49	1
1,1,2-Trichloroethane			ND		1.0	0.23	ug/L			12/14/16 10:49	1
1,1-Dichloroethane			ND		1.0	0.38	ug/L			12/14/16 10:49	1
1,1-Dichloroethene			ND		1.0	0.29	ug/L			12/14/16 10:49	1
1,2-Dichloroethane			ND		1.0	0.21	ug/L			12/14/16 10:49	1
1,2-Dichloropropane			ND		1.0	0.72	ug/L			12/14/16 10:49	1
2-Hexanone			ND		5.0	1.2	ug/L			12/14/16 10:49	1
2-Butanone (MEK)			ND		10	1.3	ug/L			12/14/16 10:49	1
4-Methyl-2-pentanone (MIBK)			ND		5.0	2.1	ug/L			12/14/16 10:49	1
Acetone			ND		10	3.0	ug/L			12/14/16 10:49	1
Benzene			ND		1.0	0.41	ug/L			12/14/16 10:49	1
Bromodichloromethane			ND		1.0	0.39	ug/L			12/14/16 10:49	1
Bromoform			ND		1.0	0.26	ug/L			12/14/16 10:49	1
Bromomethane			ND		1.0	0.69	ug/L			12/14/16 10:49	1
Carbon disulfide			ND		1.0	0.19	ug/L			12/14/16 10:49	1

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
SDG: 480-110652-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-336295/6

Matrix: Water

Analysis Batch: 336295

**Client Sample ID: Method Blank
Prep Type: Total/NA**

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride			ND		1.0	0.27	ug/L			12/14/16 10:49	1
Chlorobenzene			ND		1.0	0.75	ug/L			12/14/16 10:49	1
Dibromochloromethane			ND		1.0	0.32	ug/L			12/14/16 10:49	1
Chloroethane			ND		1.0	0.32	ug/L			12/14/16 10:49	1
Chloroform			ND		1.0	0.34	ug/L			12/14/16 10:49	1
Chloromethane			ND		1.0	0.35	ug/L			12/14/16 10:49	1
cis-1,2-Dichloroethene			ND		1.0	0.81	ug/L			12/14/16 10:49	1
cis-1,3-Dichloropropene			ND		1.0	0.36	ug/L			12/14/16 10:49	1
Ethylbenzene			ND		1.0	0.74	ug/L			12/14/16 10:49	1
Methylene Chloride			ND		1.0	0.44	ug/L			12/14/16 10:49	1
Styrene			ND		1.0	0.73	ug/L			12/14/16 10:49	1
Tetrachloroethene			ND		1.0	0.36	ug/L			12/14/16 10:49	1
Toluene			ND		1.0	0.51	ug/L			12/14/16 10:49	1
trans-1,2-Dichloroethene			ND		1.0	0.90	ug/L			12/14/16 10:49	1
trans-1,3-Dichloropropene			ND		1.0	0.37	ug/L			12/14/16 10:49	1
Trichloroethene			ND		1.0	0.46	ug/L			12/14/16 10:49	1
Vinyl chloride			ND		1.0	0.90	ug/L			12/14/16 10:49	1
Xylenes, Total			ND		2.0	0.66	ug/L			12/14/16 10:49	1

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			103		77 - 120			1
Toluene-d8 (Surr)			102		80 - 120			1
4-Bromofluorobenzene (Surr)			94		73 - 120			1
Dibromofluoromethane (Surr)			102		75 - 123			1

Lab Sample ID: LCS 480-336295/4

Matrix: Water

Analysis Batch: 336295

**Client Sample ID: Lab Control Sample
Prep Type: Total/NA**

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				Limits
1,1,1-Trichloroethane	25.0	22.6		ug/L		90	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.8		ug/L		103	76 - 120
1,1,2-Trichloroethane	25.0	25.6		ug/L		103	76 - 122
1,1-Dichloroethane	25.0	23.5		ug/L		94	77 - 120
1,1-Dichloroethene	25.0	22.2		ug/L		89	66 - 127
1,2-Dichloroethane	25.0	21.7		ug/L		87	75 - 120
1,2-Dichloropropane	25.0	24.4		ug/L		97	76 - 120
2-Hexanone	125	114		ug/L		91	65 - 127
2-Butanone (MEK)	125	116		ug/L		93	57 - 140
4-Methyl-2-pentanone (MIBK)	125	112		ug/L		90	71 - 125
Acetone	125	118		ug/L		94	56 - 142
Benzene	25.0	23.7		ug/L		95	71 - 124
Bromodichloromethane	25.0	24.0		ug/L		96	80 - 122
Bromoform	25.0	26.9		ug/L		108	61 - 132
Bromomethane	25.0	19.9		ug/L		80	55 - 144
Carbon disulfide	25.0	20.7		ug/L		83	59 - 134
Carbon tetrachloride	25.0	22.4		ug/L		90	72 - 134
Chlorobenzene	25.0	23.6		ug/L		94	80 - 120

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-336295/4

Matrix: Water

Analysis Batch: 336295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
	Added	Result	Qualifier				Limits	
Dibromochloromethane	25.0	25.5		ug/L		102	75 - 125	
Chloroethane	25.0	24.9		ug/L		100	69 - 136	
Chloroform	25.0	23.4		ug/L		94	73 - 127	
Chloromethane	25.0	19.7		ug/L		79	68 - 124	
cis-1,2-Dichloroethene	25.0	24.1		ug/L		97	74 - 124	
cis-1,3-Dichloropropene	25.0	24.2		ug/L		97	74 - 124	
Ethylbenzene	25.0	22.6		ug/L		90	77 - 123	
Methylene Chloride	25.0	22.3		ug/L		89	75 - 124	
Styrene	25.0	23.8		ug/L		95	80 - 120	
Tetrachloroethene	25.0	22.6		ug/L		91	74 - 122	
Toluene	25.0	23.7		ug/L		95	80 - 122	
trans-1,2-Dichloroethene	25.0	23.3		ug/L		93	73 - 127	
trans-1,3-Dichloropropene	25.0	25.4		ug/L		102	80 - 120	
Trichloroethene	25.0	22.7		ug/L		91	74 - 123	
Vinyl chloride	25.0	22.2		ug/L		89	65 - 133	
Xylenes, Total	50.0	45.2		ug/L		90	76 - 122	

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	98		77 - 120
Toluene-d8 (Surr)	106		80 - 120
4-Bromofluorobenzene (Surr)	95		73 - 120
Dibromofluoromethane (Surr)	100		75 - 123

Lab Sample ID: 480-110853-4 MS

Matrix: Water

Analysis Batch: 336295

Client Sample ID: AF-5D-120816
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
1,1,1-Trichloroethane	ND		25.0	29.8		ug/L		119	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	26.4		ug/L		106	76 - 120
1,1,2-Trichloroethane	ND		25.0	27.7		ug/L		111	76 - 122
1,1-Dichloroethane	ND		25.0	28.1		ug/L		112	77 - 120
1,1-Dichloroethene	ND		25.0	29.8		ug/L		119	66 - 127
1,2-Dichloroethane	ND		25.0	23.8		ug/L		95	75 - 120
1,2-Dichloropropane	ND		25.0	28.8		ug/L		115	76 - 120
2-Hexanone	ND		125	110		ug/L		88	65 - 127
2-Butanone (MEK)	ND		125	108		ug/L		86	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	114		ug/L		91	71 - 125
Acetone	ND		125	97.6		ug/L		78	56 - 142
Benzene	ND		25.0	28.9		ug/L		116	71 - 124
Bromodichloromethane	ND		25.0	26.7		ug/L		107	80 - 122
Bromoform	ND		25.0	27.4		ug/L		109	61 - 132
Bromomethane	ND		25.0	22.3		ug/L		89	55 - 144
Carbon disulfide	ND		25.0	25.5		ug/L		102	59 - 134
Carbon tetrachloride	ND		25.0	29.5		ug/L		118	72 - 134
Chlorobenzene	ND		25.0	27.9		ug/L		112	80 - 120
Dibromochloromethane	ND		25.0	27.0		ug/L		108	75 - 125
Chloroethane	ND		25.0	30.6		ug/L		122	69 - 136

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-110853-4 MS

Matrix: Water

Analysis Batch: 336295

Client Sample ID: AF-5D-120816

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
Chloroform	ND		25.0	26.8		ug/L		107	73 - 127
Chloromethane	ND		25.0	22.0		ug/L		88	68 - 124
cis-1,2-Dichloroethene	ND		25.0	28.0		ug/L		112	74 - 124
cis-1,3-Dichloropropene	ND		25.0	25.5		ug/L		102	74 - 124
Ethylbenzene	ND		25.0	27.3		ug/L		109	77 - 123
Methylene Chloride	ND		25.0	26.2		ug/L		105	75 - 124
Styrene	ND		25.0	27.2		ug/L		109	80 - 120
Tetrachloroethene	ND		25.0	29.4		ug/L		118	74 - 122
Toluene	ND		25.0	28.7		ug/L		115	80 - 122
trans-1,2-Dichloroethene	ND		25.0	28.6		ug/L		114	73 - 127
trans-1,3-Dichloropropene	ND		25.0	26.8		ug/L		107	80 - 120
Trichloroethene	ND		25.0	27.6		ug/L		110	74 - 123
Vinyl chloride	ND		25.0	28.1		ug/L		112	65 - 133
Xylenes, Total	ND		50.0	54.1		ug/L		108	76 - 122
<hr/>									
Surrogate	MS	MS	%Recovery	Qualifier	Limits				
	%Recovery	Qualifier							
1,2-Dichloroethane-d4 (Surr)	102			77 - 120					
Toluene-d8 (Surr)	106			80 - 120					
4-Bromofluorobenzene (Surr)	96			73 - 120					
Dibromofluoromethane (Surr)	102			75 - 123					

Lab Sample ID: 480-110853-4 MSD

Matrix: Water

Analysis Batch: 336295

Client Sample ID: AF-5D-120816
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
1,1,1-Trichloroethane	ND		25.0	29.2		ug/L		117	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	26.7		ug/L		107	76 - 120
1,1,2-Trichloroethane	ND		25.0	27.7		ug/L		111	76 - 122
1,1-Dichloroethane	ND		25.0	27.7		ug/L		111	77 - 120
1,1-Dichloroethene	ND		25.0	29.3		ug/L		117	66 - 127
1,2-Dichloroethane	ND		25.0	23.3		ug/L		93	75 - 120
1,2-Dichloropropane	ND		25.0	28.1		ug/L		113	76 - 120
2-Hexanone	ND		125	112		ug/L		89	65 - 127
2-Butanone (MEK)	ND		125	110		ug/L		88	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	116		ug/L		92	71 - 125
Acetone	ND		125	98.0		ug/L		78	56 - 142
Benzene	ND		25.0	28.4		ug/L		114	71 - 124
Bromodichloromethane	ND		25.0	26.5		ug/L		106	80 - 122
Bromoform	ND		25.0	27.8		ug/L		111	61 - 132
Bromomethane	ND		25.0	23.3		ug/L		93	55 - 144
Carbon disulfide	ND		25.0	25.7		ug/L		103	59 - 134
Carbon tetrachloride	ND		25.0	29.3		ug/L		117	72 - 134
Chlorobenzene	ND		25.0	27.4		ug/L		109	80 - 120
Dibromochloromethane	ND		25.0	27.3		ug/L		109	75 - 125
Chloroethane	ND		25.0	30.3		ug/L		121	69 - 136
Chloroform	ND		25.0	27.3		ug/L		109	73 - 127
Chloromethane	ND		25.0	22.0		ug/L		88	68 - 124

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-110853-4 MSD

Matrix: Water

Analysis Batch: 336295

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
cis-1,2-Dichloroethene	ND		25.0	28.4		ug/L	114	74 - 124	2	15	
cis-1,3-Dichloropropene	ND		25.0	25.9		ug/L	104	74 - 124	2	15	
Ethylbenzene	ND		25.0	27.5		ug/L	110	77 - 123	1	15	
Methylene Chloride	ND		25.0	26.2		ug/L	105	75 - 124	0	15	
Styrene	ND		25.0	26.9		ug/L	108	80 - 120	1	20	
Tetrachloroethene	ND		25.0	29.1		ug/L	117	74 - 122	1	20	
Toluene	ND		25.0	28.1		ug/L	113	80 - 122	2	15	
trans-1,2-Dichloroethene	ND		25.0	28.8		ug/L	115	73 - 127	1	20	
trans-1,3-Dichloropropene	ND		25.0	26.5		ug/L	106	80 - 120	1	15	
Trichloroethene	ND		25.0	27.4		ug/L	109	74 - 123	1	16	
Vinyl chloride	ND		25.0	27.7		ug/L	111	65 - 133	1	15	
Xylenes, Total	ND		50.0	53.2		ug/L	106	76 - 122	2	16	

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	97		77 - 120
Toluene-d8 (Surr)	105		80 - 120
4-Bromofluorobenzene (Surr)	94		73 - 120
Dibromofluoromethane (Surr)	100		75 - 123

Lab Sample ID: 480-110853-7 MS

Matrix: Water

Analysis Batch: 336295

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits		
	Result	Qualifier	Added	Result	Qualifier						
1,1,1-Trichloroethane	ND		25.0	29.8		ug/L	119	73 - 126			
1,1,2,2-Tetrachloroethane	ND		25.0	27.6		ug/L	110	76 - 120			
1,1,2-Trichloroethane	ND		25.0	27.5		ug/L	110	76 - 122			
1,1-Dichloroethane	ND		25.0	28.3		ug/L	113	77 - 120			
1,1-Dichloroethene	ND		25.0	29.1		ug/L	116	66 - 127			
1,2-Dichloroethane	ND		25.0	24.0		ug/L	96	75 - 120			
1,2-Dichloropropane	ND		25.0	28.5		ug/L	114	76 - 120			
2-Hexanone	ND		125	107		ug/L	85	65 - 127			
2-Butanone (MEK)	ND		125	111		ug/L	89	57 - 140			
4-Methyl-2-pentanone (MIBK)	ND		125	113		ug/L	90	71 - 125			
Acetone	4.8	J	125	101		ug/L	77	56 - 142			
Benzene	ND		25.0	28.6		ug/L	115	71 - 124			
Bromodichloromethane	ND		25.0	27.0		ug/L	108	80 - 122			
Bromoform	ND		25.0	27.1		ug/L	108	61 - 132			
Bromomethane	ND		25.0	22.9		ug/L	92	55 - 144			
Carbon disulfide	ND		25.0	27.1		ug/L	108	59 - 134			
Carbon tetrachloride	ND		25.0	29.5		ug/L	118	72 - 134			
Chlorobenzene	ND		25.0	27.3		ug/L	109	80 - 120			
Dibromochloromethane	ND		25.0	27.4		ug/L	110	75 - 125			
Chloroethane	ND		25.0	30.8		ug/L	123	69 - 136			
Chloroform	ND		25.0	27.2		ug/L	109	73 - 127			
Chloromethane	ND		25.0	22.3		ug/L	89	68 - 124			
cis-1,2-Dichloroethene	ND		25.0	28.5		ug/L	114	74 - 124			
cis-1,3-Dichloropropene	ND		25.0	25.5		ug/L	102	74 - 124			

Client Sample ID: AF-7D-120816
Prep Type: Total/NA

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-110853-7 MS

Matrix: Water

Analysis Batch: 336295

Client Sample ID: AF-7D-120816

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
Ethylbenzene	ND		25.0	27.4		ug/L		109	77 - 123
Methylene Chloride	ND		25.0	26.4		ug/L		106	75 - 124
Styrene	ND		25.0	26.2		ug/L		105	80 - 120
Tetrachloroethene	ND		25.0	28.8		ug/L		115	74 - 122
Toluene	ND		25.0	27.8		ug/L		111	80 - 122
trans-1,2-Dichloroethene	ND		25.0	29.3		ug/L		117	73 - 127
trans-1,3-Dichloropropene	ND		25.0	25.7		ug/L		103	80 - 120
Trichloroethene	ND		25.0	27.7		ug/L		111	74 - 123
Vinyl chloride	ND		25.0	27.6		ug/L		111	65 - 133
Xylenes, Total	ND		50.0	53.1		ug/L		106	76 - 122
MS MS									
Surrogate	Sample	%Recovery	Qualifier	Limits					
1,2-Dichloroethane-d4 (Surr)	ND	101		77 - 120					
Toluene-d8 (Surr)	ND	104		80 - 120					
4-Bromofluorobenzene (Surr)	ND	95		73 - 120					
Dibromofluoromethane (Surr)	ND	102		75 - 123					

Lab Sample ID: 480-110853-7 MSD

Matrix: Water

Analysis Batch: 336295

Client Sample ID: AF-7D-120816

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
1,1,1-Trichloroethane	ND		25.0	29.8		ug/L		119	73 - 126	0	15
1,1,2,2-Tetrachloroethane	ND		25.0	27.3		ug/L		109	76 - 120	1	15
1,1,2-Trichloroethane	ND		25.0	27.4		ug/L		110	76 - 122	0	15
1,1-Dichloroethane	ND		25.0	27.9		ug/L		112	77 - 120	1	20
1,1-Dichloroethene	ND		25.0	30.1		ug/L		120	66 - 127	3	16
1,2-Dichloroethane	ND		25.0	23.8		ug/L		95	75 - 120	1	20
1,2-Dichloropropane	ND		25.0	28.3		ug/L		113	76 - 120	1	20
2-Hexanone	ND		125	109		ug/L		87	65 - 127	2	15
2-Butanone (MEK)	ND		125	110		ug/L		88	57 - 140	1	20
4-Methyl-2-pentanone (MIBK)	ND		125	115		ug/L		92	71 - 125	2	35
Acetone	4.8	J	125	101		ug/L		77	56 - 142	0	15
Benzene	ND		25.0	28.2		ug/L		113	71 - 124	1	13
Bromodichloromethane	ND		25.0	26.8		ug/L		107	80 - 122	1	15
Bromoform	ND		25.0	28.4		ug/L		114	61 - 132	5	15
Bromomethane	ND		25.0	22.8		ug/L		91	55 - 144	1	15
Carbon disulfide	ND		25.0	27.3		ug/L		109	59 - 134	1	15
Carbon tetrachloride	ND		25.0	29.2		ug/L		117	72 - 134	1	15
Chlorobenzene	ND		25.0	27.0		ug/L		108	80 - 120	1	25
Dibromochloromethane	ND		25.0	27.8		ug/L		111	75 - 125	2	15
Chloroethane	ND		25.0	31.7		ug/L		127	69 - 136	3	15
Chloroform	ND		25.0	27.3		ug/L		109	73 - 127	0	20
Chloromethane	ND		25.0	22.3		ug/L		89	68 - 124	0	15
cis-1,2-Dichloroethene	ND		25.0	28.3		ug/L		113	74 - 124	1	15
cis-1,3-Dichloropropene	ND		25.0	25.5		ug/L		102	74 - 124	0	15
Ethylbenzene	ND		25.0	27.2		ug/L		109	77 - 123	1	15
Methylene Chloride	ND		25.0	26.1		ug/L		104	75 - 124	1	15

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-110853-7 MSD

Matrix: Water

Analysis Batch: 336295

Client Sample ID: AF-7D-120816
 Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier			%Rec.	Limits		
Styrene	ND		25.0	26.6		ug/L	106	80 - 120		1	20
Tetrachloroethene	ND		25.0	28.5		ug/L	114	74 - 122		1	20
Toluene	ND		25.0	28.1		ug/L	112	80 - 122		1	15
trans-1,2-Dichloroethene	ND		25.0	29.1		ug/L	116	73 - 127		1	20
trans-1,3-Dichloropropene	ND		25.0	25.7		ug/L	103	80 - 120		0	15
Trichloroethene	ND		25.0	27.7		ug/L	111	74 - 123		0	16
Vinyl chloride	ND		25.0	28.2		ug/L	113	65 - 133		2	15
Xylenes, Total	ND		50.0	52.9		ug/L	106	76 - 122		0	16
Surrogate		MSD	MSD								
		%Recovery	Qualifier	Limits							
1,2-Dichloroethane-d4 (Surr)	98			77 - 120							
Toluene-d8 (Surr)	103			80 - 120							
4-Bromofluorobenzene (Surr)	94			73 - 120							
Dibromofluoromethane (Surr)	101			75 - 123							

Lab Sample ID: MB 480-336531/6

Matrix: Water

Analysis Batch: 336531

Client Sample ID: Method Blank
 Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed		Dil Fac
	Result	Qualifier						%Recovery	Qualifier	
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/15/16	10:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/15/16	10:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/15/16	10:48	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/15/16	10:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/15/16	10:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/15/16	10:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/15/16	10:48	1
2-Hexanone	ND		5.0	1.2	ug/L			12/15/16	10:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/15/16	10:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/15/16	10:48	1
Acetone	ND		10	3.0	ug/L			12/15/16	10:48	1
Benzene	ND		1.0	0.41	ug/L			12/15/16	10:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/15/16	10:48	1
Bromoform	ND		1.0	0.26	ug/L			12/15/16	10:48	1
Bromomethane	ND		1.0	0.69	ug/L			12/15/16	10:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/15/16	10:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/15/16	10:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/15/16	10:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/15/16	10:48	1
Chloroethane	ND		1.0	0.32	ug/L			12/15/16	10:48	1
Chloroform	ND		1.0	0.34	ug/L			12/15/16	10:48	1
Chloromethane	ND		1.0	0.35	ug/L			12/15/16	10:48	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/15/16	10:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/15/16	10:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/15/16	10:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/15/16	10:48	1
Styrene	ND		1.0	0.73	ug/L			12/15/16	10:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/15/16	10:48	1

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-336531/6

Matrix: Water

Analysis Batch: 336531

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Toluene	ND		1.0	0.51	ug/L			12/15/16 10:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/15/16 10:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/15/16 10:48	1
Trichloroethene	ND		1.0	0.46	ug/L			12/15/16 10:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/15/16 10:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/15/16 10:48	1

MB MB

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	104		77 - 120			1
Toluene-d8 (Surr)	102		80 - 120			1
4-Bromofluorobenzene (Surr)	94		73 - 120			1
Dibromofluoromethane (Surr)	105		75 - 123			1

Lab Sample ID: LCS 480-336531/4

Matrix: Water

Analysis Batch: 336531

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec.	Limits
		Result	Qualifier					
1,1,1-Trichloroethane	25.0	23.4		ug/L		94	73 - 126	
1,1,2,2-Tetrachloroethane	25.0	24.3		ug/L		97	76 - 120	
1,1,2-Trichloroethane	25.0	24.7		ug/L		99	76 - 122	
1,1-Dichloroethane	25.0	23.0		ug/L		92	77 - 120	
1,1-Dichloroethene	25.0	21.4		ug/L		86	66 - 127	
1,2-Dichloroethane	25.0	20.9		ug/L		84	75 - 120	
1,2-Dichloropropane	25.0	24.9		ug/L		99	76 - 120	
2-Hexanone	125	105		ug/L		84	65 - 127	
2-Butanone (MEK)	125	109		ug/L		87	57 - 140	
4-Methyl-2-pentanone (MIBK)	125	105		ug/L		84	71 - 125	
Acetone	125	116		ug/L		93	56 - 142	
Benzene	25.0	23.8		ug/L		95	71 - 124	
Bromodichloromethane	25.0	23.7		ug/L		95	80 - 122	
Bromoform	25.0	25.9		ug/L		104	61 - 132	
Bromomethane	25.0	26.0		ug/L		104	55 - 144	
Carbon disulfide	25.0	20.5		ug/L		82	59 - 134	
Carbon tetrachloride	25.0	22.8		ug/L		91	72 - 134	
Chlorobenzene	25.0	23.5		ug/L		94	80 - 120	
Dibromochloromethane	25.0	24.6		ug/L		98	75 - 125	
Chloroethane	25.0	28.2		ug/L		113	69 - 136	
Chloroform	25.0	22.8		ug/L		91	73 - 127	
Chloromethane	25.0	25.4		ug/L		101	68 - 124	
cis-1,2-Dichloroethene	25.0	24.4		ug/L		98	74 - 124	
cis-1,3-Dichloropropene	25.0	24.3		ug/L		97	74 - 124	
Ethylbenzene	25.0	22.3		ug/L		89	77 - 123	
Methylene Chloride	25.0	23.0		ug/L		92	75 - 124	
Styrene	25.0	23.6		ug/L		94	80 - 120	
Tetrachloroethene	25.0	22.3		ug/L		89	74 - 122	
Toluene	25.0	23.3		ug/L		93	80 - 122	
trans-1,2-Dichloroethene	25.0	23.4		ug/L		94	73 - 127	

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-336531/4

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 336531

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				
trans-1,3-Dichloropropene	25.0	24.4		ug/L		98	80 - 120
Trichloroethene	25.0	22.6		ug/L		91	74 - 123
Vinyl chloride	25.0	27.8		ug/L		111	65 - 133
Xylenes, Total	50.0	44.1		ug/L		88	76 - 122

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	96		77 - 120
Toluene-d8 (Surr)	104		80 - 120
4-Bromofluorobenzene (Surr)	95		73 - 120
Dibromofluoromethane (Surr)	99		75 - 123

QC Association Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

GC/MS VOA

Analysis Batch: 335549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110652-1	AOC-LDMW-1S-120616	Total/NA	Water	8260C	1
480-110652-2	AOC-PSTMW-1SR-120616	Total/NA	Water	8260C	2
480-110652-3	AOC-PSTMW-2S-120616	Total/NA	Ground Water	8260C	3
480-110652-4	AF-2P-120616	Total/NA	Ground Water	8260C	4
480-110652-5	AF-3P-120616	Total/NA	Ground Water	8260C	5
480-110652-7	AF-5S-120616	Total/NA	Ground Water	8260C	6
480-110652-8	AF-25P-120616	Total/NA	Ground Water	8260C	7
480-110652-9	AF-24P-120616	Total/NA	Water	8260C	8
480-110652-10	TRIP BLANK-120616	Total/NA	Water	8260C	9
MB 480-335549/6	Method Blank	Total/NA	Water	8260C	10
LCS 480-335549/4	Lab Control Sample	Total/NA	Water	8260C	11

Analysis Batch: 335719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110652-6	AF-5P-120616	Total/NA	Ground Water	8260C	11
480-110652-9 - DL	AF-24P-120616	Total/NA	Water	8260C	12
MB 480-335719/7	Method Blank	Total/NA	Water	8260C	13
LCS 480-335719/5	Lab Control Sample	Total/NA	Water	8260C	14

Analysis Batch: 336000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110778-1	TMW-1S-120716	Total/NA	Water	8260C	15
480-110778-2	TMW-2S-120716	Total/NA	Water	8260C	16
480-110778-3	AF-9S-120716	Total/NA	Water	8260C	17
480-110778-4	OSMW-2P-120716	Total/NA	Water	8260C	18
480-110778-5	OSMW-1P-120716	Total/NA	Water	8260C	19
480-110778-10	TRIP BLANK-120716	Total/NA	Water	8260C	20
MB 480-336000/6	Method Blank	Total/NA	Water	8260C	21
LCS 480-336000/4	Lab Control Sample	Total/NA	Water	8260C	22

Analysis Batch: 336071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110853-1	OSMW-3S-120816	Total/NA	Water	8260C	1
480-110853-2	OSMW-3D-120816	Total/NA	Water	8260C	2
480-110853-3	TMW-1D-120816	Total/NA	Water	8260C	3
480-110853-4	AF-5D-120816	Total/NA	Water	8260C	4
480-110853-5	AF-21D-120816	Total/NA	Water	8260C	5
480-110853-6	TMW-2D-120816	Total/NA	Water	8260C	6
480-110853-8	AF-7S-120816	Total/NA	Water	8260C	7
480-110853-9	AF-7P-120816	Total/NA	Water	8260C	8
480-110853-10	OSMW-4S-120816	Total/NA	Water	8260C	9
480-110853-11	OSMW-4D-120816	Total/NA	Water	8260C	10
480-110853-12	OSMW-6S-120816	Total/NA	Water	8260C	11
480-110853-13	OSMW-6D-120816	Total/NA	Water	8260C	12
480-110853-14	OSMW-7D-120816	Total/NA	Water	8260C	13
480-110853-15	OSMW-8D-120816	Total/NA	Water	8260C	14
480-110853-16	OSMW-1D-120816	Total/NA	Water	8260C	15
MB 480-336071/6	Method Blank	Total/NA	Water	8260C	16
LCS 480-336071/4	Lab Control Sample	Total/NA	Water	8260C	17

TestAmerica Buffalo

QC Association Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

GC/MS VOA (Continued)

Analysis Batch: 336295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110778-6	OSMW-1S-120716	Total/NA	Water	8260C	1
480-110778-7	H-221-120716	Total/NA	Water	8260C	2
480-110778-8	OSMW-5D-120716	Total/NA	Water	8260C	3
480-110778-9	OSMW-5S-120716	Total/NA	Water	8260C	4
480-110853-2 - DL	OSMW-3D-120816	Total/NA	Water	8260C	5
480-110853-7	AF-7D-120816	Total/NA	Water	8260C	6
480-110853-13 - DL	OSMW-6D-120816	Total/NA	Water	8260C	7
480-110853-17	DUP-01-120816	Total/NA	Water	8260C	8
480-110853-19	TRIP BLANK-120816	Total/NA	Water	8260C	9
MB 480-336295/6	Method Blank	Total/NA	Water	8260C	10
LCS 480-336295/4	Lab Control Sample	Total/NA	Water	8260C	11
480-110853-4 MS	AF-5D-120816	Total/NA	Water	8260C	12
480-110853-4 MSD	AF-5D-120816	Total/NA	Water	8260C	13
480-110853-7 MS	AF-7D-120816	Total/NA	Water	8260C	14
480-110853-7 MSD	AF-7D-120816	Total/NA	Water	8260C	15

Analysis Batch: 336531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110853-18	DUP-02-120816	Total/NA	Water	8260C	13
MB 480-336531/6	Method Blank	Total/NA	Water	8260C	14
LCS 480-336531/4	Lab Control Sample	Total/NA	Water	8260C	15

Lab Chronicle

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AOC-LDMW-1S-120616

Date Collected: 12/06/16 10:10

Date Received: 12/07/16 09:30

Lab Sample ID: 480-110652-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	335549	12/09/16 13:23	SMY	TAL BUF

Client Sample ID: AOC-PSTMW-1SR-120616

Date Collected: 12/06/16 10:25

Date Received: 12/07/16 09:30

Lab Sample ID: 480-110652-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335549	12/09/16 13:50	SMY	TAL BUF

Client Sample ID: AOC-PSTMW-2S-120616

Date Collected: 12/06/16 10:37

Date Received: 12/07/16 09:30

Lab Sample ID: 480-110652-3

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335549	12/09/16 14:17	SMY	TAL BUF

Client Sample ID: AF-2P-120616

Date Collected: 12/06/16 10:51

Date Received: 12/07/16 09:30

Lab Sample ID: 480-110652-4

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335549	12/09/16 14:44	SMY	TAL BUF

Client Sample ID: AF-3P-120616

Date Collected: 12/06/16 11:01

Date Received: 12/07/16 09:30

Lab Sample ID: 480-110652-5

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335549	12/09/16 15:11	SMY	TAL BUF

Client Sample ID: AF-5P-120616

Date Collected: 12/06/16 11:15

Date Received: 12/07/16 09:30

Lab Sample ID: 480-110652-6

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	335719	12/09/16 22:07	GTG	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-5S-120616

Date Collected: 12/06/16 11:25
 Date Received: 12/07/16 09:30

Lab Sample ID: 480-110652-7

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335549	12/09/16 16:04	SMY	TAL BUF

Client Sample ID: AF-25P-120616

Date Collected: 12/06/16 11:35
 Date Received: 12/07/16 09:30

Lab Sample ID: 480-110652-8

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	335549	12/09/16 16:31	SMY	TAL BUF

Client Sample ID: AF-24P-120616

Date Collected: 12/06/16 12:15
 Date Received: 12/07/16 09:30

Lab Sample ID: 480-110652-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335549	12/09/16 16:59	SMY	TAL BUF
Total/NA	Analysis	8260C	DL	10	335719	12/09/16 22:34	GTG	TAL BUF

Client Sample ID: TRIP BLANK-120616

Date Collected: 12/06/16 00:00
 Date Received: 12/07/16 09:30

Lab Sample ID: 480-110652-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335549	12/09/16 12:56	SMY	TAL BUF

Client Sample ID: TMW-1S-120716

Date Collected: 12/07/16 10:25
 Date Received: 12/08/16 09:45

Lab Sample ID: 480-110778-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336000	12/13/16 01:49	LCH	TAL BUF

Client Sample ID: TMW-2S-120716

Date Collected: 12/07/16 10:48
 Date Received: 12/08/16 09:45

Lab Sample ID: 480-110778-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336000	12/13/16 02:16	LCH	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-9S-120716

Date Collected: 12/07/16 11:02
 Date Received: 12/08/16 09:45

Lab Sample ID: 480-110778-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336000	12/13/16 02:39	LCH	TAL BUF

Client Sample ID: OSMW-2P-120716

Date Collected: 12/07/16 11:30
 Date Received: 12/08/16 09:45

Lab Sample ID: 480-110778-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336000	12/13/16 03:02	LCH	TAL BUF

Client Sample ID: OSMW-1P-120716

Date Collected: 12/07/16 12:00
 Date Received: 12/08/16 09:45

Lab Sample ID: 480-110778-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336000	12/13/16 03:25	LCH	TAL BUF

Client Sample ID: OSMW-1S-120716

Date Collected: 12/07/16 12:12
 Date Received: 12/08/16 09:45

Lab Sample ID: 480-110778-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	336295	12/14/16 11:33	SWO	TAL BUF

Client Sample ID: H-221-120716

Date Collected: 12/07/16 12:31
 Date Received: 12/08/16 09:45

Lab Sample ID: 480-110778-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336295	12/14/16 11:57	SWO	TAL BUF

Client Sample ID: OSMW-5D-120716

Date Collected: 12/07/16 15:47
 Date Received: 12/08/16 09:45

Lab Sample ID: 480-110778-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	336295	12/14/16 12:20	SWO	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-5S-120716

Date Collected: 12/07/16 16:05
 Date Received: 12/08/16 09:45

Lab Sample ID: 480-110778-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336295	12/14/16 12:43	SWO	TAL BUF

Client Sample ID: TRIP BLANK-120716

Date Collected: 12/07/16 00:00
 Date Received: 12/08/16 09:45

Lab Sample ID: 480-110778-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336000	12/13/16 01:26	LCH	TAL BUF

Client Sample ID: OSMW-3S-120816

Date Collected: 12/08/16 09:15
 Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336071	12/13/16 11:40	SWO	TAL BUF

Client Sample ID: OSMW-3D-120816

Date Collected: 12/08/16 09:20
 Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336071	12/13/16 12:04	SWO	TAL BUF
Total/NA	Analysis	8260C	DL	10	336295	12/14/16 13:06	SWO	TAL BUF

Client Sample ID: TMW-1D-120816

Date Collected: 12/08/16 10:00
 Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336071	12/13/16 12:27	SWO	TAL BUF

Client Sample ID: AF-5D-120816

Date Collected: 12/08/16 10:15
 Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336071	12/13/16 12:50	SWO	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: AF-21D-120816

Date Collected: 12/08/16 10:44
 Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336071	12/13/16 13:13	SWO	TAL BUF

Client Sample ID: TMW-2D-120816

Date Collected: 12/08/16 10:57
 Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	336071	12/13/16 13:36	SWO	TAL BUF

Client Sample ID: AF-7D-120816

Date Collected: 12/08/16 11:20
 Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336295	12/14/16 13:29	SWO	TAL BUF

Client Sample ID: AF-7S-120816

Date Collected: 12/08/16 11:40
 Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	336071	12/13/16 13:59	SWO	TAL BUF

Client Sample ID: AF-7P-120816

Date Collected: 12/08/16 11:50
 Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336071	12/13/16 14:22	SWO	TAL BUF

Client Sample ID: OSMW-4S-120816

Date Collected: 12/08/16 12:40
 Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336071	12/13/16 14:45	SWO	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Client Sample ID: OSMW-4D-120816

Date Collected: 12/08/16 12:50
 Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336071	12/13/16 15:09	SWO	TAL BUF

Client Sample ID: OSMW-6S-120816

Date Collected: 12/08/16 13:10
 Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336071	12/13/16 15:32	SWO	TAL BUF

Client Sample ID: OSMW-6D-120816

Date Collected: 12/08/16 13:20
 Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336071	12/13/16 15:55	SWO	TAL BUF
Total/NA	Analysis	8260C	DL	4	336295	12/14/16 13:52	SWO	TAL BUF

Client Sample ID: OSMW-7D-120816

Date Collected: 12/08/16 13:35
 Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336071	12/13/16 16:18	SWO	TAL BUF

Client Sample ID: OSMW-8D-120816

Date Collected: 12/08/16 14:00
 Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336071	12/13/16 16:41	SWO	TAL BUF

Client Sample ID: OSMW-1D-120816

Date Collected: 12/08/16 14:30
 Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336071	12/13/16 17:04	SWO	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
SDG: 480-110652-1

Client Sample ID: DUP-01-120816

Date Collected: 12/08/16 12:00
Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336295	12/14/16 14:15	SWO	TAL BUF

Client Sample ID: DUP-02-120816

Date Collected: 12/08/16 11:30
Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336531	12/15/16 17:44	RRS	TAL BUF

Client Sample ID: TRIP BLANK-120816

Date Collected: 12/08/16 00:00
Date Received: 12/09/16 09:30

Lab Sample ID: 480-110853-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336295	12/14/16 15:01	SWO	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17
Georgia	State Program	4	956	03-31-17
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-17 *
Kansas	NELAP	7	E-10187	11-30-16 *
Kentucky (DW)	State Program	4	90029	12-31-16 *
Kentucky (UST)	State Program	4	30	03-31-17
Kentucky (WW)	State Program	4	90029	12-31-16 *
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-18
Maryland	State Program	3	294	03-31-17
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17
Minnesota	NELAP	5	036-999-337	12-31-16 *
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-17
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17
North Dakota	State Program	8	R-176	03-31-17
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-16 *
Tennessee	State Program	4	TN02970	03-31-17
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-17 *
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

TestAmerica Buffalo

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
SDG: 480-110652-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Sample Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual Event

TestAmerica Job ID: 480-110652-1
 SDG: 480-110652-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	
480-110652-1	AOC-LDMW-1S-120616	Water	12/06/16 10:10	12/07/16 09:30	1
480-110652-2	AOC-PSTMW-1SR-120616	Water	12/06/16 10:25	12/07/16 09:30	2
480-110652-3	AOC-PSTMW-2S-120616	Ground Water	12/06/16 10:37	12/07/16 09:30	3
480-110652-4	AF-2P-120616	Ground Water	12/06/16 10:51	12/07/16 09:30	4
480-110652-5	AF-3P-120616	Ground Water	12/06/16 11:01	12/07/16 09:30	5
480-110652-6	AF-5P-120616	Ground Water	12/06/16 11:15	12/07/16 09:30	6
480-110652-7	AF-5S-120616	Ground Water	12/06/16 11:25	12/07/16 09:30	7
480-110652-8	AF-25P-120616	Ground Water	12/06/16 11:35	12/07/16 09:30	8
480-110652-9	AF-24P-120616	Water	12/06/16 12:15	12/07/16 09:30	9
480-110652-10	TRIP BLANK-120616	Water	12/06/16 00:00	12/07/16 09:30	10
480-110778-1	TMW-1S-120716	Water	12/07/16 10:25	12/08/16 09:45	11
480-110778-2	TMW-2S-120716	Water	12/07/16 10:48	12/08/16 09:45	12
480-110778-3	AF-9S-120716	Water	12/07/16 11:02	12/08/16 09:45	13
480-110778-4	OSMW-2P-120716	Water	12/07/16 11:30	12/08/16 09:45	14
480-110778-5	OSMW-1P-120716	Water	12/07/16 12:00	12/08/16 09:45	15
480-110778-6	OSMW-1S-120716	Water	12/07/16 12:12	12/08/16 09:45	1
480-110778-7	H-221-120716	Water	12/07/16 12:31	12/08/16 09:45	2
480-110778-8	OSMW-5D-120716	Water	12/07/16 15:47	12/08/16 09:45	3
480-110778-9	OSMW-5S-120716	Water	12/07/16 16:05	12/08/16 09:45	4
480-110778-10	TRIP BLANK-120716	Water	12/07/16 00:00	12/08/16 09:45	5
480-110853-1	OSMW-3S-120816	Water	12/08/16 09:15	12/09/16 09:30	6
480-110853-2	OSMW-3D-120816	Water	12/08/16 09:20	12/09/16 09:30	7
480-110853-3	TMW-1D-120816	Water	12/08/16 10:00	12/09/16 09:30	8
480-110853-4	AF-5D-120816	Water	12/08/16 10:15	12/09/16 09:30	9
480-110853-5	AF-21D-120816	Water	12/08/16 10:44	12/09/16 09:30	10
480-110853-6	TMW-2D-120816	Water	12/08/16 10:57	12/09/16 09:30	11
480-110853-7	AF-7D-120816	Water	12/08/16 11:20	12/09/16 09:30	12
480-110853-8	AF-7S-120816	Water	12/08/16 11:40	12/09/16 09:30	13
480-110853-9	AF-7P-120816	Water	12/08/16 11:50	12/09/16 09:30	14
480-110853-10	OSMW-4S-120816	Water	12/08/16 12:40	12/09/16 09:30	15
480-110853-11	OSMW-4D-120816	Water	12/08/16 12:50	12/09/16 09:30	1
480-110853-12	OSMW-6S-120816	Water	12/08/16 13:10	12/09/16 09:30	2
480-110853-13	OSMW-6D-120816	Water	12/08/16 13:20	12/09/16 09:30	3
480-110853-14	OSMW-7D-120816	Water	12/08/16 13:35	12/09/16 09:30	4
480-110853-15	OSMW-8D-120816	Water	12/08/16 14:00	12/09/16 09:30	5
480-110853-16	OSMW-1D-120816	Water	12/08/16 14:30	12/09/16 09:30	6
480-110853-17	DUP-01-120816	Water	12/08/16 12:00	12/09/16 09:30	7
480-110853-18	DUP-02-120816	Water	12/08/16 11:30	12/09/16 09:30	8
480-110853-19	TRIP BLANK-120816	Water	12/08/16 00:00	12/09/16 09:30	9

TestAmerica Buffalo

TestAmerica Buffalo

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

CINCINNATI Chain of Custody Record

Client Information

Client Contact:	2105 Terra Dalton	Lab/P/M:	Johnson, Orllette S
Chase Forman	Phone: (513) 697-2020	E-Mail:	orlette.johnson@testamericainc.com
Company:	Job #:		

O'Brien & Gere Inc of North America

Address:	Due Date Requested: Standard		
8305 Governor's Hill Dr. Ste. 164	TAT Requested (days):	14 days	
City: Cincinnati	PO #:	11600088	
State, Zip: OH, 45249	WO #:	62574 100 130	
Phone: 513-697-2035 (Tel) 513-697-2040 (Fax)	Project #:	48033453	
Email: chase.forman@obg.com	Site:	GE - Evendale, OH site - Semiconvex	
Project Name:	SS#:		

Analysis Requested			
Preservation Codes:			
A - HCl	B - NaOH	C - Zn Acetate	M - Hexane
N - None	O - AstaNO2	P - Na2SO3	Na2SCo3
R - Nitric Acid	S - TSP Dodecahydrate	T - Acetone	H2SO4
U - MCA	V - pH 4-5	W - other (specify)	-
480-110652 COC			
Total Number of COCs			
Carrier Tracking No(s): 7003/339			
COC No: 480-89947-21923.5			
Page: 1 of 1			
Special Instructions/Note:			
8280C - VOCs TCL - OLM04.2 List			
PetrodromMSMSDVA-6es of NO			
Heti Filtered Sample (less of NO)			
A			
Sample Identification	Sample Date	Sample Time	Matrix
			(W=water, S=solid, O=waste oil, BT=tissue, A=air)
			BT=Tissue, A=air
			Preservation Code:
AOC-LDMW-1S-120616	12/6/16	10:00	G
AOC-PST MW-1SR-120616	1	1025	I
AOC-PST MW-2S-120616	1	1037	I
AF-2P-120616	1051		Water
AF-3P-120616	1101		Water
AF-5P-120616	1115		Water
AF-5S-120616	1125		Water
AF-25P-120616	1135		Water
AF-24P-120616	1215	✓	Water
TRIP BLANK - 120616	12/6/16	—	Water
			Water
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
<input type="checkbox"/> Disposal by Lab			
<input type="checkbox"/> Disposal to Client			
Special Instructions/Note: Handwritten Analysis or APP and results to Kastor			
Method of Shipment: Handwritten			
Possible Hazard Identification	Non-Hazard	Flammable	Skin Irritant
Deliverable Requested: I, V, II, III, IV, Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Empty Kit Relinquished by:	John Johnson	Date/Time:	Date/Time:
Relinquished By:	John Johnson	Date/Time:	Date/Time:
Custody Seals Intact	Custody Seal No.:	210341	
Δ Yes	Δ No		
Cooler Temperature(s) °C and Other Remarks:			

TestAmerica Buffalo

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

CINCINNATI Chain of Custody Record

210501

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client Information				Carrier Tracking No(s): PEDEX 210501		Carrier Tracking No(s): PEDEX 210501		Carrier Tracking No(s): PEDEX 210501																									
Sample:	120716	Lab P/M:	Johnson, Orlieite S	COC No:	480-89947-2-1923-6	Date:	8/10/16	Job #:	1 of 1																								
Client Contact:	Chase E Forman	E-Mail:	orlieite.johnson@testamericanal.com	Page #:	31	Page #:	31	Page #:	31																								
Company:	O'Brien & Gere Inc of North America																																
Address:	8805 Governor's Hill Dr. Ste. 164																																
City:	Cincinnati																																
State/Zip:	OH, 45249																																
Phone:	513-697-2035(Tel) 513-697-2040(Fax)																																
Email:	chase.forman@oog.com																																
Project Name:	GE - Evendale, OH site - Scrubber																																
Site:	Ohio																																
Analysis Requested																																	
<input checked="" type="checkbox"/> Total Number of Contaminants <input checked="" type="checkbox"/> Preservation Codes: <table border="1"> <tr><td>A-HCl</td><td>M-Hexane</td></tr> <tr><td>B-NaOH</td><td>N-None</td></tr> <tr><td>C-DT</td><td>S-</td></tr> <tr><td>D-I</td><td>S</td></tr> <tr><td>E-L</td><td>S</td></tr> <tr><td>F-N</td><td>S</td></tr> <tr><td>G-A</td><td>S</td></tr> <tr><td>H-A</td><td>S</td></tr> <tr><td>I-Q</td><td>S</td></tr> <tr><td>J-DI</td><td>S</td></tr> <tr><td>K-E</td><td>S</td></tr> <tr><td>L-EL</td><td>S</td></tr> </table> <input checked="" type="checkbox"/> dehydrate <input checked="" type="checkbox"/> 480-110778 COC <input checked="" type="checkbox"/> specify <input checked="" type="checkbox"/> Other: 										A-HCl	M-Hexane	B-NaOH	N-None	C-DT	S-	D-I	S	E-L	S	F-N	S	G-A	S	H-A	S	I-Q	S	J-DI	S	K-E	S	L-EL	S
A-HCl	M-Hexane																																
B-NaOH	N-None																																
C-DT	S-																																
D-I	S																																
E-L	S																																
F-N	S																																
G-A	S																																
H-A	S																																
I-Q	S																																
J-DI	S																																
K-E	S																																
L-EL	S																																
<input checked="" type="checkbox"/> Special Instructions/Note: 8260C - VOCs TCL - OLM04.2 List <input checked="" type="checkbox"/> Perform MS/MS/MSD (Yes or No) <input checked="" type="checkbox"/> Use Filtered Samples (Yes or No)																																	
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste, A=aero)	Preservation Code																											
TNW-1S-120716	12/7/16	10:25	G	Water	N	X																											
TNW-2S-120716		10:48	-	Water	X	X																											
AF-9S-120716		11:02	-	Water	X	X																											
OSMW-2P-120716		11:30	-	Water	X	X																											
OSMW-1P-120716		12:00	-	Water	X	X																											
OSMW-1S-120716		12:12	V	Water	X	X																											
IT-281-120716		12:31	V	Water	X	X																											
TRIP TANK-120716		/	/	Water	X	X																											
OSMW-SD 120716	12/7/16	15:47	6	Water	X	X																											
OSMW-SS 120716	12/7/16	16:05	6	Water	X	X																											
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																																	
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological <input type="checkbox"/> Deliverable Requested: <input checked="" type="checkbox"/> N, Other (specify)		<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab		<input type="checkbox"/> Archive For _____		<input type="checkbox"/> Months 12 <input checked="" type="checkbox"/> Years 3																											
<input type="checkbox"/> Empty Kit Relinquished by: <u>John Johnson</u>		<input type="checkbox"/> Special Instructions/QC Requirements: Special Instructions: Analytical QAPP, Send WBS, 12/10/16		<input type="checkbox"/> Method of Shipment: Ground																													
<input type="checkbox"/> Relinquished by: <u>John Johnson</u>		Date/Time:	21/7/16 0830	Received By:	PEDEX 800697883158	Date/Time:	12/7/16 1710																										
<input type="checkbox"/> Relinquished by: <u>John Johnson</u>		Date/Time:		Received By:		Date/Time:	12/8/16 0945																										
<input type="checkbox"/> Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.: 2-901																															
Cooler Temperature(s) °C and Other Remarks:																																	

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

TestAmerica Buffalo

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7881

Chain of Custody Record

Client Information		210501		Tena Dalton	Lab PM: Johnson, Orlette S	Carrier Tracking No(s) 7003/3339	COC No: 480-89847-219238																																																																																																
Client Contact: Chase Forman Company: O'Brien & Gere Inc of North America	Address: 8805 Governor's Hill Dr. Ste. 164 City: Cincinnati State, Zip: OH, 45249 Phone: 513-697-2035(Tel) 513-697-2040(Fax) Email: chase.forman@obg.com Project Name: GE - Evendale, OH site - Sample Mineral Site: Ohio	Phone: (513) 697-2020	E-Mail: orlette.johnson@testamericancainc.com			Page 8 of 82	Job #: 210501																																																																																																
Analysis Requested																																																																																																							
<p>Total Number of Contractors: 1</p> <p>Preservation Codes:</p> <p>M - Hexane N - None O - AsNaO2 P - Na2O4S A - HCl B - NaOH C - Zn Acetate D - Nitro-Acridine E - NaHSC F - MeOH G - Amchi H - Ascorbic Acid I - Ice J - Di Wai K - EDTA L - EDA Other: -</p> <p>Special Instructions/Note:</p> <p>Hydrate</p>																																																																																																							
<p>Sample Identification</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=comp, G=grab)</th> <th>Sample Matrix (Water, Solid, Ornamental B/E tissue, A/Au)</th> <th>Preservation Code</th> <th>A</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>OS MW - 35 - 120816</td> <td>12/18/16</td> <td>9:15</td> <td>G</td> <td>Water</td> <td>N/N</td> <td>X</td> <td></td> </tr> <tr> <td>OS MW - 3D - 120816</td> <td></td> <td>9:20</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TWV - 1D - 120816</td> <td></td> <td>10:00</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>AF - 5D - 120816</td> <td></td> <td>10:15</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>AF - 2D - 120816</td> <td></td> <td>10:44</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TWV - 2D - 120816</td> <td></td> <td>10:57</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>AF - 4D - 120816</td> <td></td> <td>11:20</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>AF - 7S - 120816</td> <td></td> <td>11:40</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>AF - 4D - 120816</td> <td></td> <td>11:50</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>OS MW - 4S - 120816</td> <td></td> <td>12:40</td> <td>V</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>OS MW - 4D - 120816</td> <td></td> <td>12:50</td> <td>V</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</p> <p><input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For 1 Month</p> <p>Special Instructions/COC Requirements: DO NOT USE GLASS</p>									Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Sample Matrix (Water, Solid, Ornamental B/E tissue, A/Au)	Preservation Code	A	B	OS MW - 35 - 120816	12/18/16	9:15	G	Water	N/N	X		OS MW - 3D - 120816		9:20						TWV - 1D - 120816		10:00						AF - 5D - 120816		10:15						AF - 2D - 120816		10:44						TWV - 2D - 120816		10:57						AF - 4D - 120816		11:20						AF - 7S - 120816		11:40						AF - 4D - 120816		11:50						OS MW - 4S - 120816		12:40	V					OS MW - 4D - 120816		12:50	V				
	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Sample Matrix (Water, Solid, Ornamental B/E tissue, A/Au)	Preservation Code	A	B																																																																																																
OS MW - 35 - 120816	12/18/16	9:15	G	Water	N/N	X																																																																																																	
OS MW - 3D - 120816		9:20																																																																																																					
TWV - 1D - 120816		10:00																																																																																																					
AF - 5D - 120816		10:15																																																																																																					
AF - 2D - 120816		10:44																																																																																																					
TWV - 2D - 120816		10:57																																																																																																					
AF - 4D - 120816		11:20																																																																																																					
AF - 7S - 120816		11:40																																																																																																					
AF - 4D - 120816		11:50																																																																																																					
OS MW - 4S - 120816		12:40	V																																																																																																				
OS MW - 4D - 120816		12:50	V																																																																																																				
<p>Possible Hazard Identification</p> <p><input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological</p> <p>Deliverable Requested: I, None, Other (specify) None</p> <p>Empty Kit Relinquished by: None</p> <p>Relinquished by: None</p> <p>Relinquished by: None</p> <p>Custody Seals Intact: <input type="checkbox"/> Custody Seal No.: 210501</p> <p>Δ Yes Δ No</p>																																																																																																							
Date/Time: 12/29/16 04:30	Date/Time: 12/29/16 04:30	Date: 12/29/16	Date: 12/29/16	Company	Received By: JAN	Date/Time: 12/29/16 04:30	Company																																																																																																
Date/Time: 12/29/16 04:30	Date/Time: 12/29/16 04:30	Date: 12/29/16	Date: 12/29/16	Company	Received By: JAN	Date/Time: 12/29/16 04:30	Company																																																																																																

Tracking #: 7003.1339.2474

TestAmerica

Chain of Custody Record

4/30/2013/53

Temperature on Receipt _____

Drinking Water? Yes No

THE LEADER IN ENVIRONMENTAL TESTING

Client		Project Manager		Date	Lab Number	Chain of Custody Number					
Address	O'Brien & Clegg	Telephone Number (Area Code)/Fax Number	Office	12/18/16		291289					
City	8805 Government Dr. Site - 164	State	(513) 694-2020	Site Contact	Lab Contact	Page 2 of 2					
Project Name and Location (State)	Cincinnati	Zip Code	45249	Carrier/Mailbox Number	Orville Johnson						
Contract/Purchase Order/Quote No.	PO# 11600088 / Proj# 48003453	Matrix		Analysis (Attach list if more space is needed)							
Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	%	Containers & Preservatives							
OSMW-6S-120816	12/18/16	13:00	X	90028							
OSMW-6D-120816		13:20	X	X							
OSMW-4D-120816		13:35	X	X							
OSMW-8D-120816		14:25 ⁶⁵	X	X							
OSMW-1D-120816		14:35	X	X							
DUP-01-120816		12:00	X	X							
DUP-02-120816	V	11:30	X	X							
TRIP BLANK-120816	12/18/16	/	X								
Possible Hazard Identification	Sample Disposal										
<input checked="" type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client	<input checked="" type="checkbox"/> Disposal By Lab					
Turn Around Time Required						<input type="checkbox"/> 24 Hours	<input type="checkbox"/> 48 Hours	<input type="checkbox"/> 7 Days	<input checked="" type="checkbox"/> 14 Days	<input type="checkbox"/> 21 Days	<input type="checkbox"/> Other _____
1. Relinquished By						Date	Time	AC Requirements (Specify)			
<u>Z. SCL</u>						12/18/16	15:05	1. <u>12/18/16</u> - <u>12/18/16</u> <u>12/18/16</u>			
2. Relinquished By						Date	Time	2. <u>12/18/16</u> - <u>12/18/16</u> <u>12/18/16</u>			
3. Relinquished By						Date	Time	3. Received By			
Comments _____											

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-110652-1

SDG Number: 480-110652-1

Login Number: 110652

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

Question	Answer	Comment	
Radioactivity either was not measured or, if measured, is at or below background	True		1
The cooler's custody seal, if present, is intact.	True		2
The cooler or samples do not appear to have been compromised or tampered with.	True		3
Samples were received on ice.	True		4
Cooler Temperature is acceptable.	True		5
Cooler Temperature is recorded.	True		6
COC is present.	True		7
COC is filled out in ink and legible.	True		8
COC is filled out with all pertinent information.	True		9
Is the Field Sampler's name present on COC?	True		10
There are no discrepancies between the sample IDs on the containers and the COC.	True		11
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True		12
Sample containers have legible labels.	True		13
Containers are not broken or leaking.	True		14
Sample collection date/times are provided.	True		15
Appropriate sample containers are used.	True		
Sample bottles are completely filled.	True		
Sample Preservation Verified	True		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True		
If necessary, staff have been informed of any short hold time or quick TAT needs	True		
Multiphasic samples are not present.	True		
Samples do not require splitting or compositing.	True		
Sampling Company provided.	True	obj	
Samples received within 48 hours of sampling.	True		
Samples requiring field filtration have been filtered in the field.	N/A		
Chlorine Residual checked.	N/A		

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-110652-1

SDG Number: 480-110652-1

Login Number: 110778

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-110652-1

SDG Number: 480-110652-1

Login Number: 110853

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-111627-1

TestAmerica Sample Delivery Group: 480-111627-1

Client Project/Site: GE - Semi Annual

For:

O'Brien & Gere Inc of North America

8805 Governor's Hill Dr.

Ste. 164

Cincinnati, Ohio 45249

Attn: Chase Forman

Authorized for release by:

1/4/2017 10:16:26 AM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

LINKS

Review your project
results through

Total Access

Have a Question?

Ask
The
Expert

Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page	1	3
Table of Contents	2	4
Definitions/Glossary	3	5
Case Narrative	4	6
Detection Summary	5	6
Client Sample Results	6	7
Surrogate Summary	8	8
QC Sample Results	9	9
QC Association Summary	11	9
Lab Chronicle	12	10
Certification Summary	13	11
Method Summary	14	11
Sample Summary	15	12
Chain of Custody	16	13
Receipt Checklists	17	14

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Semi Annual

TestAmerica Job ID: 480-111627-1
SDG: 480-111627-1

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Semi Annual

TestAmerica Job ID: 480-111627-1
SDG: 480-111627-1

Job ID: 480-111627-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-111627-1

Receipt

The samples were received on 12/29/2016 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5° C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-338434 recovered outside acceptance criteria, low biased, for 2-Hexanone and 4-Methyl-2-pentanone (MIBK). A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated sample was non-detect for this analyte, the data has been reported for the following affected samples OSMW-8S-122816 (480-111627-1) and Trip Blank-122816 (480-111627-2).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-338434 recovered above the upper control limit for Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data has been reported. The following sample is impacted: OSMW-8S-122816 (480-111627-1) and Trip Blank-122816 (480-111627-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Semi Annual

TestAmerica Job ID: 480-111627-1
SDG: 480-111627-1

Client Sample ID: OSMW-8S-122816

Lab Sample ID: 480-111627-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.2		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	2.9		1.0	0.81	ug/L	1		8260C	Total/NA
Toluene	2.5		1.0	0.51	ug/L	1		8260C	Total/NA

Client Sample ID: Trip Blank-122816

Lab Sample ID: 480-111627-2

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual

TestAmerica Job ID: 480-111627-1
 SDG: 480-111627-1

Client Sample ID: OSMW-8S-122816

Lab Sample ID: 480-111627-1

Matrix: Water

Date Collected: 12/28/16 11:00

Date Received: 12/29/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/30/16 03:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/30/16 03:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/30/16 03:20	1
1,1-Dichloroethane	3.2		1.0	0.38	ug/L			12/30/16 03:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/30/16 03:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/30/16 03:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/30/16 03:20	1
2-Hexanone	ND		5.0	1.2	ug/L			12/30/16 03:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/30/16 03:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/30/16 03:20	1
Acetone	ND		10	3.0	ug/L			12/30/16 03:20	1
Benzene	ND		1.0	0.41	ug/L			12/30/16 03:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/30/16 03:20	1
Bromoform	ND		1.0	0.26	ug/L			12/30/16 03:20	1
Bromomethane	ND		1.0	0.69	ug/L			12/30/16 03:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/30/16 03:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/30/16 03:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/30/16 03:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/30/16 03:20	1
Chloroethane	ND		1.0	0.32	ug/L			12/30/16 03:20	1
Chloroform	ND		1.0	0.34	ug/L			12/30/16 03:20	1
Chloromethane	ND		1.0	0.35	ug/L			12/30/16 03:20	1
cis-1,2-Dichloroethene	2.9		1.0	0.81	ug/L			12/30/16 03:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/30/16 03:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/30/16 03:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/30/16 03:20	1
Styrene	ND		1.0	0.73	ug/L			12/30/16 03:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/30/16 03:20	1
Toluene	2.5		1.0	0.51	ug/L			12/30/16 03:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/30/16 03:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/30/16 03:20	1
Trichloroethene	ND		1.0	0.46	ug/L			12/30/16 03:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/30/16 03:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/30/16 03:20	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103			77 - 120				12/30/16 03:20	1
Toluene-d8 (Surr)	100			80 - 120				12/30/16 03:20	1
4-Bromofluorobenzene (Surr)	90			73 - 120				12/30/16 03:20	1
Dibromofluoromethane (Surr)	107			75 - 123				12/30/16 03:20	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual

TestAmerica Job ID: 480-111627-1
 SDG: 480-111627-1

Client Sample ID: Trip Blank-122816

Date Collected: 12/28/16 00:00

Date Received: 12/29/16 09:45

Lab Sample ID: 480-111627-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/30/16 03:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/30/16 03:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/30/16 03:43	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/30/16 03:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/30/16 03:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/30/16 03:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/30/16 03:43	1
2-Hexanone	ND		5.0	1.2	ug/L			12/30/16 03:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/30/16 03:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/30/16 03:43	1
Acetone	ND		10	3.0	ug/L			12/30/16 03:43	1
Benzene	ND		1.0	0.41	ug/L			12/30/16 03:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/30/16 03:43	1
Bromoform	ND		1.0	0.26	ug/L			12/30/16 03:43	1
Bromomethane	ND		1.0	0.69	ug/L			12/30/16 03:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/30/16 03:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/30/16 03:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/30/16 03:43	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/30/16 03:43	1
Chloroethane	ND		1.0	0.32	ug/L			12/30/16 03:43	1
Chloroform	ND		1.0	0.34	ug/L			12/30/16 03:43	1
Chloromethane	ND		1.0	0.35	ug/L			12/30/16 03:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/30/16 03:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/30/16 03:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/30/16 03:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/30/16 03:43	1
Styrene	ND		1.0	0.73	ug/L			12/30/16 03:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/30/16 03:43	1
Toluene	ND		1.0	0.51	ug/L			12/30/16 03:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/30/16 03:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/30/16 03:43	1
Trichloroethene	ND		1.0	0.46	ug/L			12/30/16 03:43	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/30/16 03:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/30/16 03:43	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103			77 - 120				12/30/16 03:43	1
Toluene-d8 (Surr)	100			80 - 120				12/30/16 03:43	1
4-Bromofluorobenzene (Surr)	91			73 - 120				12/30/16 03:43	1
Dibromofluoromethane (Surr)	107			75 - 123				12/30/16 03:43	1

TestAmerica Buffalo

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Semi Annual

TestAmerica Job ID: 480-111627-1
SDG: 480-111627-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	12DCE (77-120)	TOL (80-120)	BFB (73-120)	DBFM (75-123)				
480-111627-1	OSMW-8S-122816	103	100	90	107				
480-111627-2	Trip Blank-122816	103	100	91	107				
LCS 480-338434/5	Lab Control Sample	91	104	96	97				
MB 480-338434/7	Method Blank	99	104	93	105				

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Semi Annual

TestAmerica Job ID: 480-111627-1
SDG: 480-111627-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-338434/7

Matrix: Water

Analysis Batch: 338434

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier									
1,1,1-Trichloroethane	ND				1.0	0.82	ug/L			12/29/16 20:57	1
1,1,2,2-Tetrachloroethane	ND				1.0	0.21	ug/L			12/29/16 20:57	1
1,1,2-Trichloroethane	ND				1.0	0.23	ug/L			12/29/16 20:57	1
1,1-Dichloroethane	ND				1.0	0.38	ug/L			12/29/16 20:57	1
1,1-Dichloroethene	ND				1.0	0.29	ug/L			12/29/16 20:57	1
1,2-Dichloroethane	ND				1.0	0.21	ug/L			12/29/16 20:57	1
1,2-Dichloropropane	ND				1.0	0.72	ug/L			12/29/16 20:57	1
2-Hexanone	ND				5.0	1.2	ug/L			12/29/16 20:57	1
2-Butanone (MEK)	ND				10	1.3	ug/L			12/29/16 20:57	1
4-Methyl-2-pentanone (MIBK)	ND				5.0	2.1	ug/L			12/29/16 20:57	1
Acetone	ND				10	3.0	ug/L			12/29/16 20:57	1
Benzene	ND				1.0	0.41	ug/L			12/29/16 20:57	1
Bromodichloromethane	ND				1.0	0.39	ug/L			12/29/16 20:57	1
Bromoform	ND				1.0	0.26	ug/L			12/29/16 20:57	1
Bromomethane	ND				1.0	0.69	ug/L			12/29/16 20:57	1
Carbon disulfide	ND				1.0	0.19	ug/L			12/29/16 20:57	1
Carbon tetrachloride	ND				1.0	0.27	ug/L			12/29/16 20:57	1
Chlorobenzene	ND				1.0	0.75	ug/L			12/29/16 20:57	1
Dibromochloromethane	ND				1.0	0.32	ug/L			12/29/16 20:57	1
Chloroethane	ND				1.0	0.32	ug/L			12/29/16 20:57	1
Chloroform	ND				1.0	0.34	ug/L			12/29/16 20:57	1
Chloromethane	ND				1.0	0.35	ug/L			12/29/16 20:57	1
cis-1,2-Dichloroethene	ND				1.0	0.81	ug/L			12/29/16 20:57	1
cis-1,3-Dichloropropene	ND				1.0	0.36	ug/L			12/29/16 20:57	1
Ethylbenzene	ND				1.0	0.74	ug/L			12/29/16 20:57	1
Methylene Chloride	ND				1.0	0.44	ug/L			12/29/16 20:57	1
Styrene	ND				1.0	0.73	ug/L			12/29/16 20:57	1
Tetrachloroethene	ND				1.0	0.36	ug/L			12/29/16 20:57	1
Toluene	ND				1.0	0.51	ug/L			12/29/16 20:57	1
trans-1,2-Dichloroethene	ND				1.0	0.90	ug/L			12/29/16 20:57	1
trans-1,3-Dichloropropene	ND				1.0	0.37	ug/L			12/29/16 20:57	1
Trichloroethene	ND				1.0	0.46	ug/L			12/29/16 20:57	1
Vinyl chloride	ND				1.0	0.90	ug/L			12/29/16 20:57	1
Xylenes, Total	ND				2.0	0.66	ug/L			12/29/16 20:57	1

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,2-Dichloroethane-d4 (Surr)	99		77 - 120				12/29/16 20:57	1
Toluene-d8 (Surr)	104		80 - 120				12/29/16 20:57	1
4-Bromofluorobenzene (Surr)	93		73 - 120				12/29/16 20:57	1
Dibromofluoromethane (Surr)	105		75 - 123				12/29/16 20:57	1

Lab Sample ID: LCS 480-338434/5

Matrix: Water

Analysis Batch: 338434

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits
	Added	Result	Qualifier				
1,1,1-Trichloroethane	25.0	26.3		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.8		ug/L		99	76 - 120

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual

TestAmerica Job ID: 480-111627-1
 SDG: 480-111627-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-338434/5

Matrix: Water

Analysis Batch: 338434

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

Analyte	Spike	LCS		Unit	D	%Rec	Limits
	Added	Result	Qualifier				
1,1,2-Trichloroethane	25.0	25.6		ug/L		102	76 - 122
1,1-Dichloroethane	25.0	24.8		ug/L		99	77 - 120
1,1-Dichloroethene	25.0	26.4		ug/L		105	66 - 127
1,2-Dichloroethane	25.0	21.2		ug/L		85	75 - 120
1,2-Dichloropropane	25.0	25.9		ug/L		103	76 - 120
2-Hexanone	125	102		ug/L		81	65 - 127
2-Butanone (MEK)	125	104		ug/L		83	57 - 140
4-Methyl-2-pentanone (MIBK)	125	100		ug/L		80	71 - 125
Acetone	125	115		ug/L		92	56 - 142
Benzene	25.0	25.6		ug/L		102	71 - 124
Bromodichloromethane	25.0	24.5		ug/L		98	80 - 122
Bromoform	25.0	28.4		ug/L		113	61 - 132
Bromomethane	25.0	22.5		ug/L		90	55 - 144
Carbon disulfide	25.0	24.7		ug/L		99	59 - 134
Carbon tetrachloride	25.0	26.7		ug/L		107	72 - 134
Chlorobenzene	25.0	25.3		ug/L		101	80 - 120
Dibromochloromethane	25.0	27.1		ug/L		109	75 - 125
Chloroethane	25.0	23.9		ug/L		96	69 - 136
Chloroform	25.0	24.4		ug/L		98	73 - 127
Chloromethane	25.0	24.8		ug/L		99	68 - 124
cis-1,2-Dichloroethene	25.0	25.8		ug/L		103	74 - 124
cis-1,3-Dichloropropene	25.0	24.9		ug/L		100	74 - 124
Ethylbenzene	25.0	24.5		ug/L		98	77 - 123
Methylene Chloride	25.0	23.9		ug/L		96	75 - 124
Styrene	25.0	25.0		ug/L		100	80 - 120
Tetrachloroethene	25.0	26.6		ug/L		106	74 - 122
Toluene	25.0	26.0		ug/L		104	80 - 122
trans-1,2-Dichloroethene	25.0	25.8		ug/L		103	73 - 127
trans-1,3-Dichloropropene	25.0	26.1		ug/L		105	80 - 120
Trichloroethene	25.0	24.7		ug/L		99	74 - 123
Vinyl chloride	25.0	29.0		ug/L		116	65 - 133
Xylenes, Total	50.0	47.9		ug/L		96	76 - 122

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	91		77 - 120
Toluene-d8 (Surr)	104		80 - 120
4-Bromofluorobenzene (Surr)	96		73 - 120
Dibromofluoromethane (Surr)	97		75 - 123

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Semi Annual

TestAmerica Job ID: 480-111627-1
SDG: 480-111627-1

GC/MS VOA

Analysis Batch: 338434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-111627-1	OSMW-8S-122816	Total/NA	Water	8260C	
480-111627-2	Trip Blank-122816	Total/NA	Water	8260C	
MB 480-338434/7	Method Blank	Total/NA	Water	8260C	
LCS 480-338434/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Semi Annual

TestAmerica Job ID: 480-111627-1
SDG: 480-111627-1

Client Sample ID: OSMW-8S-122816

Date Collected: 12/28/16 11:00

Date Received: 12/29/16 09:45

Lab Sample ID: 480-111627-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	338434	12/30/16 03:20	GTG	TAL BUF

Client Sample ID: Trip Blank-122816

Date Collected: 12/28/16 00:00

Date Received: 12/29/16 09:45

Lab Sample ID: 480-111627-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	338434	12/30/16 03:43	GTG	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - Semi Annual

TestAmerica Job ID: 480-111627-1
 SDG: 480-111627-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17 *
Georgia	State Program	4	956	03-31-17 *
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-17 *
Kansas	NELAP	7	E-10187	11-30-16 *
Kentucky (DW)	State Program	4	90029	12-31-16 *
Kentucky (UST)	State Program	4	30	03-31-17 *
Kentucky (WW)	State Program	4	90029	12-31-16 *
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-18
Maryland	State Program	3	294	03-31-17 *
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17 *
Minnesota	NELAP	5	036-999-337	12-31-17
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-17
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17 *
North Dakota	State Program	8	R-176	03-31-17 *
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-16 *
Tennessee	State Program	4	TN02970	03-31-17 *
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-17 *
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

TestAmerica Buffalo

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Semi Annual

TestAmerica Job ID: 480-111627-1
SDG: 480-111627-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Semi Annual

TestAmerica Job ID: 480-111627-1
SDG: 480-111627-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-111627-1	OSMW-8S-122816	Water	12/28/16 11:00	12/29/16 09:45
480-111627-2	Trip Blank-122816	Water	12/28/16 00:00	12/29/16 09:45

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-111627-1

SDG Number: 480-111627-1

Login Number: 111627

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-110543-1

TestAmerica Sample Delivery Group: 480-110543-1

Client Project/Site: GE- IRM

For:

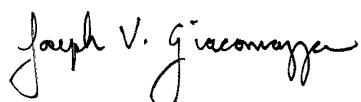
O'Brien & Gere Inc of North America

8805 Governor's Hill Dr.

Ste. 164

Cincinnati, Ohio 45249

Attn: Chase Forman



Authorized for release by:

12/13/2016 10:41:18 AM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?

Ask
The
Expert

Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	7
Surrogate Summary	20
QC Sample Results	21
QC Association Summary	25
Lab Chronicle	26
Certification Summary	29
Method Summary	30
Sample Summary	31
Chain of Custody	32
Receipt Checklists	34

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
SDG: 480-110543-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.

Glossary

Abbreviation **These commonly used abbreviations may or may not be present in this report.**

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
SDG: 480-110543-1

Job ID: 480-110543-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-110543-1

Receipt

The samples were received on 12/6/2016 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0° C.

GC/MS VOA

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: PMW-3P-120516 (480-110543-1), TMW-1P-120516 (480-110543-5), (480-110543-A-5 MS) and (480-110543-A-5 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The matrix spike duplicate (MSD) recovery for the analytical batch 480-335269 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) and matrix spike (MS) recoveries were within acceptance limits. (480-110543-A-5 MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
 SDG: 480-110543-1

Client Sample ID: PMW-3P-120516

Lab Sample ID: 480-110543-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	24		4.0	1.5	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	130		4.0	3.2	ug/L	4		8260C	Total/NA
Vinyl chloride	26		4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: PMW-3S-120516

Lab Sample ID: 480-110543-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	4.0		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	4.2		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	20		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	12		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	5.4		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-10P-120516

Lab Sample ID: 480-110543-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.6		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	8.5		1.0	0.38	ug/L	1		8260C	Total/NA
Chloroethane	0.48	J	1.0	0.32	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	39		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	7.5		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	6.2		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-10S-120516

Lab Sample ID: 480-110543-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.7		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	1.9		1.0	0.38	ug/L	1		8260C	Total/NA
2-Butanone (MEK)	2.8	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	22		10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	8.7		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	10		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: TMW-1P-120516

Lab Sample ID: 480-110543-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	110		4.0	3.3	ug/L	4		8260C	Total/NA
1,1-Dichloroethane	43		4.0	1.5	ug/L	4		8260C	Total/NA
1,1-Dichloroethene	13		4.0	1.2	ug/L	4		8260C	Total/NA
Chloroform	1.5	J	4.0	1.4	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	38		4.0	3.2	ug/L	4		8260C	Total/NA
Methylene Chloride	2.0	J	4.0	1.8	ug/L	4		8260C	Total/NA
Trichloroethene	150	F1	4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	20		4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: AF-4P-120516

Lab Sample ID: 480-110543-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	38		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	6.1		1.0	0.38	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
 SDG: 480-110543-1

Client Sample ID: AF-4P-120516 (Continued)

Lab Sample ID: 480-110543-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.88	J	1.0	0.29	ug/L	1		8260C	Total/NA
Chloroform	0.64	J	1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	5.8		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	9.9		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	97		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: AF-4S-120516

Lab Sample ID: 480-110543-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	12		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	7.0		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	3.1		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	72		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	3.5		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	14		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	1.5		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: AF-6S-120516

Lab Sample ID: 480-110543-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.4	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: AF-19S-120516

Lab Sample ID: 480-110543-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	2.9	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	23		10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	0.82	J	1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	14		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: AF-11S-120516

Lab Sample ID: 480-110543-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.2	J	10	3.0	ug/L	1		8260C	Total/NA
Vinyl chloride	2.6		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: AF-13P-120516

Lab Sample ID: 480-110543-11

No Detections.

Client Sample ID: AF-13S-120516

Lab Sample ID: 480-110543-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	13		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	0.98	J	1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 480-110543-13

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
 SDG: 480-110543-1

Client Sample ID: PMW-3P-120516

Lab Sample ID: 480-110543-1

Matrix: Water

Date Collected: 12/05/16 11:49
 Date Received: 12/06/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			12/07/16 22:21	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			12/07/16 22:21	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			12/07/16 22:21	4
1,1-Dichloroethane	24		4.0	1.5	ug/L			12/07/16 22:21	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			12/07/16 22:21	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			12/07/16 22:21	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			12/07/16 22:21	4
2-Hexanone	ND		20	5.0	ug/L			12/07/16 22:21	4
2-Butanone (MEK)	ND		40	5.3	ug/L			12/07/16 22:21	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			12/07/16 22:21	4
Acetone	ND		40	12	ug/L			12/07/16 22:21	4
Benzene	ND		4.0	1.6	ug/L			12/07/16 22:21	4
Bromodichloromethane	ND		4.0	1.6	ug/L			12/07/16 22:21	4
Bromoform	ND		4.0	1.0	ug/L			12/07/16 22:21	4
Bromomethane	ND		4.0	2.8	ug/L			12/07/16 22:21	4
Carbon disulfide	ND		4.0	0.76	ug/L			12/07/16 22:21	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			12/07/16 22:21	4
Chlorobenzene	ND		4.0	3.0	ug/L			12/07/16 22:21	4
Dibromochloromethane	ND		4.0	1.3	ug/L			12/07/16 22:21	4
Chloroethane	ND		4.0	1.3	ug/L			12/07/16 22:21	4
Chloroform	ND		4.0	1.4	ug/L			12/07/16 22:21	4
Chloromethane	ND		4.0	1.4	ug/L			12/07/16 22:21	4
cis-1,2-Dichloroethene	130		4.0	3.2	ug/L			12/07/16 22:21	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			12/07/16 22:21	4
Ethylbenzene	ND		4.0	3.0	ug/L			12/07/16 22:21	4
Methylene Chloride	ND		4.0	1.8	ug/L			12/07/16 22:21	4
Styrene	ND		4.0	2.9	ug/L			12/07/16 22:21	4
Tetrachloroethene	ND		4.0	1.4	ug/L			12/07/16 22:21	4
Toluene	ND		4.0	2.0	ug/L			12/07/16 22:21	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			12/07/16 22:21	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			12/07/16 22:21	4
Trichloroethene	ND		4.0	1.8	ug/L			12/07/16 22:21	4
Vinyl chloride	26		4.0	3.6	ug/L			12/07/16 22:21	4
Xylenes, Total	ND		8.0	2.6	ug/L			12/07/16 22:21	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		12/07/16 22:21	4
Toluene-d8 (Surr)	98		80 - 120		12/07/16 22:21	4
4-Bromofluorobenzene (Surr)	98		73 - 120		12/07/16 22:21	4
Dibromofluoromethane (Surr)	104		75 - 123		12/07/16 22:21	4

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
 SDG: 480-110543-1

Client Sample ID: PMW-3S-120516

Lab Sample ID: 480-110543-2

Matrix: Water

Date Collected: 12/05/16 11:55
 Date Received: 12/06/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.0		1.0	0.82	ug/L			12/07/16 22:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/07/16 22:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/07/16 22:45	1
1,1-Dichloroethane	4.2		1.0	0.38	ug/L			12/07/16 22:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/07/16 22:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/07/16 22:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/07/16 22:45	1
2-Hexanone	ND		5.0	1.2	ug/L			12/07/16 22:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/07/16 22:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/07/16 22:45	1
Acetone	ND		10	3.0	ug/L			12/07/16 22:45	1
Benzene	ND		1.0	0.41	ug/L			12/07/16 22:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/07/16 22:45	1
Bromoform	ND		1.0	0.26	ug/L			12/07/16 22:45	1
Bromomethane	ND		1.0	0.69	ug/L			12/07/16 22:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/07/16 22:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/07/16 22:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/07/16 22:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/07/16 22:45	1
Chloroethane	ND		1.0	0.32	ug/L			12/07/16 22:45	1
Chloroform	ND		1.0	0.34	ug/L			12/07/16 22:45	1
Chloromethane	ND		1.0	0.35	ug/L			12/07/16 22:45	1
cis-1,2-Dichloroethene	20		1.0	0.81	ug/L			12/07/16 22:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/07/16 22:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/07/16 22:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/07/16 22:45	1
Styrene	ND		1.0	0.73	ug/L			12/07/16 22:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/07/16 22:45	1
Toluene	ND		1.0	0.51	ug/L			12/07/16 22:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/07/16 22:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/07/16 22:45	1
Trichloroethene	12		1.0	0.46	ug/L			12/07/16 22:45	1
Vinyl chloride	5.4		1.0	0.90	ug/L			12/07/16 22:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/07/16 22:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	103		77 - 120				12/07/16 22:45	1	
Toluene-d8 (Surr)	102		80 - 120				12/07/16 22:45	1	
4-Bromofluorobenzene (Surr)	100		73 - 120				12/07/16 22:45	1	
Dibromofluoromethane (Surr)	106		75 - 123				12/07/16 22:45	1	

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
 SDG: 480-110543-1

Client Sample ID: OSMW-10P-120516

Lab Sample ID: 480-110543-3

Matrix: Water

Date Collected: 12/05/16 12:14
 Date Received: 12/06/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.6		1.0	0.82	ug/L		12/07/16 23:09		1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L		12/07/16 23:09		1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L		12/07/16 23:09		1
1,1-Dichloroethane	8.5		1.0	0.38	ug/L		12/07/16 23:09		1
1,1-Dichloroethene	ND		1.0	0.29	ug/L		12/07/16 23:09		1
1,2-Dichloroethane	ND		1.0	0.21	ug/L		12/07/16 23:09		1
1,2-Dichloropropane	ND		1.0	0.72	ug/L		12/07/16 23:09		1
2-Hexanone	ND		5.0	1.2	ug/L		12/07/16 23:09		1
2-Butanone (MEK)	ND		10	1.3	ug/L		12/07/16 23:09		1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L		12/07/16 23:09		1
Acetone	ND		10	3.0	ug/L		12/07/16 23:09		1
Benzene	ND		1.0	0.41	ug/L		12/07/16 23:09		1
Bromodichloromethane	ND		1.0	0.39	ug/L		12/07/16 23:09		1
Bromoform	ND		1.0	0.26	ug/L		12/07/16 23:09		1
Bromomethane	ND		1.0	0.69	ug/L		12/07/16 23:09		1
Carbon disulfide	ND		1.0	0.19	ug/L		12/07/16 23:09		1
Carbon tetrachloride	ND		1.0	0.27	ug/L		12/07/16 23:09		1
Chlorobenzene	ND		1.0	0.75	ug/L		12/07/16 23:09		1
Dibromochloromethane	ND		1.0	0.32	ug/L		12/07/16 23:09		1
Chloroethane	0.48 J		1.0	0.32	ug/L		12/07/16 23:09		1
Chloroform	ND		1.0	0.34	ug/L		12/07/16 23:09		1
Chloromethane	ND		1.0	0.35	ug/L		12/07/16 23:09		1
cis-1,2-Dichloroethene	39		1.0	0.81	ug/L		12/07/16 23:09		1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L		12/07/16 23:09		1
Ethylbenzene	ND		1.0	0.74	ug/L		12/07/16 23:09		1
Methylene Chloride	ND		1.0	0.44	ug/L		12/07/16 23:09		1
Styrene	ND		1.0	0.73	ug/L		12/07/16 23:09		1
Tetrachloroethene	ND		1.0	0.36	ug/L		12/07/16 23:09		1
Toluene	ND		1.0	0.51	ug/L		12/07/16 23:09		1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L		12/07/16 23:09		1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L		12/07/16 23:09		1
Trichloroethene	7.5		1.0	0.46	ug/L		12/07/16 23:09		1
Vinyl chloride	6.2		1.0	0.90	ug/L		12/07/16 23:09		1
Xylenes, Total	ND		2.0	0.66	ug/L		12/07/16 23:09		1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97			77 - 120			12/07/16 23:09		1
Toluene-d8 (Surr)	99			80 - 120			12/07/16 23:09		1
4-Bromofluorobenzene (Surr)	98			73 - 120			12/07/16 23:09		1
Dibromofluoromethane (Surr)	103			75 - 123			12/07/16 23:09		1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
 SDG: 480-110543-1

Client Sample ID: OSMW-10S-120516

Lab Sample ID: 480-110543-4

Matrix: Water

Date Collected: 12/05/16 12:20
 Date Received: 12/06/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.7		1.0	0.82	ug/L			12/07/16 23:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/07/16 23:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/07/16 23:33	1
1,1-Dichloroethane	1.9		1.0	0.38	ug/L			12/07/16 23:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/07/16 23:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/07/16 23:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/07/16 23:33	1
2-Hexanone	ND		5.0	1.2	ug/L			12/07/16 23:33	1
2-Butanone (MEK)	2.8 J		10	1.3	ug/L			12/07/16 23:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/07/16 23:33	1
Acetone	22		10	3.0	ug/L			12/07/16 23:33	1
Benzene	ND		1.0	0.41	ug/L			12/07/16 23:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/07/16 23:33	1
Bromoform	ND		1.0	0.26	ug/L			12/07/16 23:33	1
Bromomethane	ND		1.0	0.69	ug/L			12/07/16 23:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/07/16 23:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/07/16 23:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/07/16 23:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/07/16 23:33	1
Chloroethane	ND		1.0	0.32	ug/L			12/07/16 23:33	1
Chloroform	ND		1.0	0.34	ug/L			12/07/16 23:33	1
Chloromethane	ND		1.0	0.35	ug/L			12/07/16 23:33	1
cis-1,2-Dichloroethene	8.7		1.0	0.81	ug/L			12/07/16 23:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/07/16 23:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/07/16 23:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/07/16 23:33	1
Styrene	ND		1.0	0.73	ug/L			12/07/16 23:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/07/16 23:33	1
Toluene	ND		1.0	0.51	ug/L			12/07/16 23:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/07/16 23:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/07/16 23:33	1
Trichloroethene	10		1.0	0.46	ug/L			12/07/16 23:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/07/16 23:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/07/16 23:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	98		77 - 120				12/07/16 23:33	1	
Toluene-d8 (Surr)	99		80 - 120				12/07/16 23:33	1	
4-Bromofluorobenzene (Surr)	102		73 - 120				12/07/16 23:33	1	
Dibromofluoromethane (Surr)	105		75 - 123				12/07/16 23:33	1	

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
 SDG: 480-110543-1

Client Sample ID: TMW-1P-120516

Date Collected: 12/05/16 13:06

Date Received: 12/06/16 09:30

Lab Sample ID: 480-110543-5

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	110		4.0	3.3	ug/L			12/07/16 23:57	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			12/07/16 23:57	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			12/07/16 23:57	4
1,1-Dichloroethane	43		4.0	1.5	ug/L			12/07/16 23:57	4
1,1-Dichloroethene	13		4.0	1.2	ug/L			12/07/16 23:57	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			12/07/16 23:57	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			12/07/16 23:57	4
2-Hexanone	ND		20	5.0	ug/L			12/07/16 23:57	4
2-Butanone (MEK)	ND		40	5.3	ug/L			12/07/16 23:57	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			12/07/16 23:57	4
Acetone	ND		40	12	ug/L			12/07/16 23:57	4
Benzene	ND		4.0	1.6	ug/L			12/07/16 23:57	4
Bromodichloromethane	ND		4.0	1.6	ug/L			12/07/16 23:57	4
Bromoform	ND		4.0	1.0	ug/L			12/07/16 23:57	4
Bromomethane	ND		4.0	2.8	ug/L			12/07/16 23:57	4
Carbon disulfide	ND		4.0	0.76	ug/L			12/07/16 23:57	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			12/07/16 23:57	4
Chlorobenzene	ND		4.0	3.0	ug/L			12/07/16 23:57	4
Dibromochloromethane	ND		4.0	1.3	ug/L			12/07/16 23:57	4
Chloroethane	ND		4.0	1.3	ug/L			12/07/16 23:57	4
Chloroform	1.5 J		4.0	1.4	ug/L			12/07/16 23:57	4
Chloromethane	ND		4.0	1.4	ug/L			12/07/16 23:57	4
cis-1,2-Dichloroethene	38		4.0	3.2	ug/L			12/07/16 23:57	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			12/07/16 23:57	4
Ethylbenzene	ND		4.0	3.0	ug/L			12/07/16 23:57	4
Methylene Chloride	2.0 J		4.0	1.8	ug/L			12/07/16 23:57	4
Styrene	ND		4.0	2.9	ug/L			12/07/16 23:57	4
Tetrachloroethene	ND		4.0	1.4	ug/L			12/07/16 23:57	4
Toluene	ND		4.0	2.0	ug/L			12/07/16 23:57	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			12/07/16 23:57	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			12/07/16 23:57	4
Trichloroethene	150 F1		4.0	1.8	ug/L			12/07/16 23:57	4
Vinyl chloride	20		4.0	3.6	ug/L			12/07/16 23:57	4
Xylenes, Total	ND		8.0	2.6	ug/L			12/07/16 23:57	4
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97			77 - 120				12/07/16 23:57	4
Toluene-d8 (Surr)	100			80 - 120				12/07/16 23:57	4
4-Bromofluorobenzene (Surr)	100			73 - 120				12/07/16 23:57	4
Dibromofluoromethane (Surr)	101			75 - 123				12/07/16 23:57	4

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
 SDG: 480-110543-1

Client Sample ID: AF-4P-120516

Lab Sample ID: 480-110543-6

Matrix: Water

Date Collected: 12/05/16 13:14
 Date Received: 12/06/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	38		1.0	0.82	ug/L			12/08/16 00:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/16 00:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/16 00:21	1
1,1-Dichloroethane	6.1		1.0	0.38	ug/L			12/08/16 00:21	1
1,1-Dichloroethene	0.88 J		1.0	0.29	ug/L			12/08/16 00:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/16 00:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/16 00:21	1
2-Hexanone	ND		5.0	1.2	ug/L			12/08/16 00:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/08/16 00:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/08/16 00:21	1
Acetone	ND		10	3.0	ug/L			12/08/16 00:21	1
Benzene	ND		1.0	0.41	ug/L			12/08/16 00:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/08/16 00:21	1
Bromoform	ND		1.0	0.26	ug/L			12/08/16 00:21	1
Bromomethane	ND		1.0	0.69	ug/L			12/08/16 00:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/08/16 00:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/08/16 00:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/08/16 00:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/08/16 00:21	1
Chloroethane	ND		1.0	0.32	ug/L			12/08/16 00:21	1
Chloroform	0.64 J		1.0	0.34	ug/L			12/08/16 00:21	1
Chloromethane	ND		1.0	0.35	ug/L			12/08/16 00:21	1
cis-1,2-Dichloroethene	5.8		1.0	0.81	ug/L			12/08/16 00:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/08/16 00:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/16 00:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/08/16 00:21	1
Styrene	ND		1.0	0.73	ug/L			12/08/16 00:21	1
Tetrachloroethene	9.9		1.0	0.36	ug/L			12/08/16 00:21	1
Toluene	ND		1.0	0.51	ug/L			12/08/16 00:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/08/16 00:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/08/16 00:21	1
Trichloroethene	97		1.0	0.46	ug/L			12/08/16 00:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/08/16 00:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/16 00:21	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101			77 - 120				12/08/16 00:21	1
Toluene-d8 (Surr)	101			80 - 120				12/08/16 00:21	1
4-Bromofluorobenzene (Surr)	101			73 - 120				12/08/16 00:21	1
Dibromofluoromethane (Surr)	105			75 - 123				12/08/16 00:21	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
 SDG: 480-110543-1

Client Sample ID: AF-4S-120516

Lab Sample ID: 480-110543-7

Matrix: Water

Date Collected: 12/05/16 13:20
 Date Received: 12/06/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	12		1.0	0.82	ug/L			12/08/16 00:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/16 00:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/16 00:45	1
1,1-Dichloroethane	7.0		1.0	0.38	ug/L			12/08/16 00:45	1
1,1-Dichloroethene	3.1		1.0	0.29	ug/L			12/08/16 00:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/16 00:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/16 00:45	1
2-Hexanone	ND		5.0	1.2	ug/L			12/08/16 00:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/08/16 00:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/08/16 00:45	1
Acetone	ND		10	3.0	ug/L			12/08/16 00:45	1
Benzene	ND		1.0	0.41	ug/L			12/08/16 00:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/08/16 00:45	1
Bromoform	ND		1.0	0.26	ug/L			12/08/16 00:45	1
Bromomethane	ND		1.0	0.69	ug/L			12/08/16 00:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/08/16 00:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/08/16 00:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/08/16 00:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/08/16 00:45	1
Chloroethane	ND		1.0	0.32	ug/L			12/08/16 00:45	1
Chloroform	ND		1.0	0.34	ug/L			12/08/16 00:45	1
Chloromethane	ND		1.0	0.35	ug/L			12/08/16 00:45	1
cis-1,2-Dichloroethene	72		1.0	0.81	ug/L			12/08/16 00:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/08/16 00:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/16 00:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/08/16 00:45	1
Styrene	ND		1.0	0.73	ug/L			12/08/16 00:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/08/16 00:45	1
Toluene	ND		1.0	0.51	ug/L			12/08/16 00:45	1
trans-1,2-Dichloroethene	3.5		1.0	0.90	ug/L			12/08/16 00:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/08/16 00:45	1
Trichloroethene	14		1.0	0.46	ug/L			12/08/16 00:45	1
Vinyl chloride	1.5		1.0	0.90	ug/L			12/08/16 00:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/16 00:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	95		77 - 120				12/08/16 00:45	1	
Toluene-d8 (Surr)	99		80 - 120				12/08/16 00:45	1	
4-Bromofluorobenzene (Surr)	100		73 - 120				12/08/16 00:45	1	
Dibromofluoromethane (Surr)	102		75 - 123				12/08/16 00:45	1	

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
 SDG: 480-110543-1

Client Sample ID: AF-6S-120516

Lab Sample ID: 480-110543-8

Matrix: Water

Date Collected: 12/05/16 13:43
 Date Received: 12/06/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/16 01:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/16 01:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/16 01:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/08/16 01:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/08/16 01:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/16 01:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/16 01:08	1
2-Hexanone	ND		5.0	1.2	ug/L			12/08/16 01:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/08/16 01:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/08/16 01:08	1
Acetone	3.4 J		10	3.0	ug/L			12/08/16 01:08	1
Benzene	ND		1.0	0.41	ug/L			12/08/16 01:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/08/16 01:08	1
Bromoform	ND		1.0	0.26	ug/L			12/08/16 01:08	1
Bromomethane	ND		1.0	0.69	ug/L			12/08/16 01:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/08/16 01:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/08/16 01:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/08/16 01:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/08/16 01:08	1
Chloroethane	ND		1.0	0.32	ug/L			12/08/16 01:08	1
Chloroform	ND		1.0	0.34	ug/L			12/08/16 01:08	1
Chloromethane	ND		1.0	0.35	ug/L			12/08/16 01:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/08/16 01:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/08/16 01:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/16 01:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/08/16 01:08	1
Styrene	ND		1.0	0.73	ug/L			12/08/16 01:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/08/16 01:08	1
Toluene	ND		1.0	0.51	ug/L			12/08/16 01:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/08/16 01:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/08/16 01:08	1
Trichloroethene	ND		1.0	0.46	ug/L			12/08/16 01:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/08/16 01:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/16 01:08	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96			77 - 120				12/08/16 01:08	1
Toluene-d8 (Surr)	98			80 - 120				12/08/16 01:08	1
4-Bromofluorobenzene (Surr)	99			73 - 120				12/08/16 01:08	1
Dibromofluoromethane (Surr)	102			75 - 123				12/08/16 01:08	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
 SDG: 480-110543-1

Client Sample ID: AF-19S-120516

Date Collected: 12/05/16 13:54

Date Received: 12/06/16 09:30

Lab Sample ID: 480-110543-9

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/16 01:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/16 01:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/16 01:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/08/16 01:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/08/16 01:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/16 01:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/16 01:32	1
2-Hexanone	ND		5.0	1.2	ug/L			12/08/16 01:32	1
2-Butanone (MEK)	2.9	J	10	1.3	ug/L			12/08/16 01:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/08/16 01:32	1
Acetone	23		10	3.0	ug/L			12/08/16 01:32	1
Benzene	ND		1.0	0.41	ug/L			12/08/16 01:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/08/16 01:32	1
Bromoform	ND		1.0	0.26	ug/L			12/08/16 01:32	1
Bromomethane	ND		1.0	0.69	ug/L			12/08/16 01:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/08/16 01:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/08/16 01:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/08/16 01:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/08/16 01:32	1
Chloroethane	ND		1.0	0.32	ug/L			12/08/16 01:32	1
Chloroform	ND		1.0	0.34	ug/L			12/08/16 01:32	1
Chloromethane	ND		1.0	0.35	ug/L			12/08/16 01:32	1
cis-1,2-Dichloroethene	0.82	J	1.0	0.81	ug/L			12/08/16 01:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/08/16 01:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/16 01:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/08/16 01:32	1
Styrene	ND		1.0	0.73	ug/L			12/08/16 01:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/08/16 01:32	1
Toluene	ND		1.0	0.51	ug/L			12/08/16 01:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/08/16 01:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/08/16 01:32	1
Trichloroethene	ND		1.0	0.46	ug/L			12/08/16 01:32	1
Vinyl chloride	14		1.0	0.90	ug/L			12/08/16 01:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/16 01:32	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95			77 - 120				12/08/16 01:32	1
Toluene-d8 (Surr)	98			80 - 120				12/08/16 01:32	1
4-Bromofluorobenzene (Surr)	98			73 - 120				12/08/16 01:32	1
Dibromofluoromethane (Surr)	102			75 - 123				12/08/16 01:32	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
 SDG: 480-110543-1

Client Sample ID: AF-11S-120516

Lab Sample ID: 480-110543-10

Matrix: Water

Date Collected: 12/05/16 14:14
 Date Received: 12/06/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/16 01:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/16 01:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/16 01:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/08/16 01:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/08/16 01:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/16 01:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/16 01:57	1
2-Hexanone	ND		5.0	1.2	ug/L			12/08/16 01:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/08/16 01:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/08/16 01:57	1
Acetone	3.2 J		10	3.0	ug/L			12/08/16 01:57	1
Benzene	ND		1.0	0.41	ug/L			12/08/16 01:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/08/16 01:57	1
Bromoform	ND		1.0	0.26	ug/L			12/08/16 01:57	1
Bromomethane	ND		1.0	0.69	ug/L			12/08/16 01:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/08/16 01:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/08/16 01:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/08/16 01:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/08/16 01:57	1
Chloroethane	ND		1.0	0.32	ug/L			12/08/16 01:57	1
Chloroform	ND		1.0	0.34	ug/L			12/08/16 01:57	1
Chloromethane	ND		1.0	0.35	ug/L			12/08/16 01:57	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/08/16 01:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/08/16 01:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/16 01:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/08/16 01:57	1
Styrene	ND		1.0	0.73	ug/L			12/08/16 01:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/08/16 01:57	1
Toluene	ND		1.0	0.51	ug/L			12/08/16 01:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/08/16 01:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/08/16 01:57	1
Trichloroethene	ND		1.0	0.46	ug/L			12/08/16 01:57	1
Vinyl chloride	2.6		1.0	0.90	ug/L			12/08/16 01:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/16 01:57	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97			77 - 120				12/08/16 01:57	1
Toluene-d8 (Surr)	99			80 - 120				12/08/16 01:57	1
4-Bromofluorobenzene (Surr)	99			73 - 120				12/08/16 01:57	1
Dibromofluoromethane (Surr)	103			75 - 123				12/08/16 01:57	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
 SDG: 480-110543-1

Client Sample ID: AF-13P-120516

Lab Sample ID: 480-110543-11

Matrix: Water

Date Collected: 12/05/16 14:41
 Date Received: 12/06/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L		12/08/16 02:20		1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L		12/08/16 02:20		1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L		12/08/16 02:20		1
1,1-Dichloroethane	ND		1.0	0.38	ug/L		12/08/16 02:20		1
1,1-Dichloroethene	ND		1.0	0.29	ug/L		12/08/16 02:20		1
1,2-Dichloroethane	ND		1.0	0.21	ug/L		12/08/16 02:20		1
1,2-Dichloropropane	ND		1.0	0.72	ug/L		12/08/16 02:20		1
2-Hexanone	ND		5.0	1.2	ug/L		12/08/16 02:20		1
2-Butanone (MEK)	ND		10	1.3	ug/L		12/08/16 02:20		1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L		12/08/16 02:20		1
Acetone	ND		10	3.0	ug/L		12/08/16 02:20		1
Benzene	ND		1.0	0.41	ug/L		12/08/16 02:20		1
Bromodichloromethane	ND		1.0	0.39	ug/L		12/08/16 02:20		1
Bromoform	ND		1.0	0.26	ug/L		12/08/16 02:20		1
Bromomethane	ND		1.0	0.69	ug/L		12/08/16 02:20		1
Carbon disulfide	ND		1.0	0.19	ug/L		12/08/16 02:20		1
Carbon tetrachloride	ND		1.0	0.27	ug/L		12/08/16 02:20		1
Chlorobenzene	ND		1.0	0.75	ug/L		12/08/16 02:20		1
Dibromochloromethane	ND		1.0	0.32	ug/L		12/08/16 02:20		1
Chloroethane	ND		1.0	0.32	ug/L		12/08/16 02:20		1
Chloroform	ND		1.0	0.34	ug/L		12/08/16 02:20		1
Chloromethane	ND		1.0	0.35	ug/L		12/08/16 02:20		1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L		12/08/16 02:20		1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L		12/08/16 02:20		1
Ethylbenzene	ND		1.0	0.74	ug/L		12/08/16 02:20		1
Methylene Chloride	ND		1.0	0.44	ug/L		12/08/16 02:20		1
Styrene	ND		1.0	0.73	ug/L		12/08/16 02:20		1
Tetrachloroethene	ND		1.0	0.36	ug/L		12/08/16 02:20		1
Toluene	ND		1.0	0.51	ug/L		12/08/16 02:20		1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L		12/08/16 02:20		1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L		12/08/16 02:20		1
Trichloroethene	ND		1.0	0.46	ug/L		12/08/16 02:20		1
Vinyl chloride	ND		1.0	0.90	ug/L		12/08/16 02:20		1
Xylenes, Total	ND		2.0	0.66	ug/L		12/08/16 02:20		1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		77 - 120		12/08/16 02:20	1
Toluene-d8 (Surr)	98		80 - 120		12/08/16 02:20	1
4-Bromofluorobenzene (Surr)	95		73 - 120		12/08/16 02:20	1
Dibromofluoromethane (Surr)	99		75 - 123		12/08/16 02:20	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
 SDG: 480-110543-1

Client Sample ID: AF-13S-120516

Date Collected: 12/05/16 14:50

Date Received: 12/06/16 09:30

Lab Sample ID: 480-110543-12

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/16 02:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/16 02:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/16 02:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/08/16 02:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/08/16 02:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/16 02:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/16 02:44	1
2-Hexanone	ND		5.0	1.2	ug/L			12/08/16 02:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/08/16 02:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/08/16 02:44	1
Acetone	ND		10	3.0	ug/L			12/08/16 02:44	1
Benzene	ND		1.0	0.41	ug/L			12/08/16 02:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/08/16 02:44	1
Bromoform	ND		1.0	0.26	ug/L			12/08/16 02:44	1
Bromomethane	ND		1.0	0.69	ug/L			12/08/16 02:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/08/16 02:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/08/16 02:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/08/16 02:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/08/16 02:44	1
Chloroethane	ND		1.0	0.32	ug/L			12/08/16 02:44	1
Chloroform	ND		1.0	0.34	ug/L			12/08/16 02:44	1
Chloromethane	ND		1.0	0.35	ug/L			12/08/16 02:44	1
cis-1,2-Dichloroethene	13		1.0	0.81	ug/L			12/08/16 02:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/08/16 02:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/16 02:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/08/16 02:44	1
Styrene	ND		1.0	0.73	ug/L			12/08/16 02:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/08/16 02:44	1
Toluene	ND		1.0	0.51	ug/L			12/08/16 02:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/08/16 02:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/08/16 02:44	1
Trichloroethene	ND		1.0	0.46	ug/L			12/08/16 02:44	1
Vinyl chloride	0.98 J		1.0	0.90	ug/L			12/08/16 02:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/16 02:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		12/08/16 02:44	1
Toluene-d8 (Surr)	96		80 - 120		12/08/16 02:44	1
4-Bromofluorobenzene (Surr)	98		73 - 120		12/08/16 02:44	1
Dibromofluoromethane (Surr)	103		75 - 123		12/08/16 02:44	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
 SDG: 480-110543-1

Client Sample ID: Trip Blank

Date Collected: 12/05/16 00:00

Date Received: 12/06/16 09:30

Lab Sample ID: 480-110543-13

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/16 03:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/16 03:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/16 03:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/08/16 03:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/08/16 03:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/16 03:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/16 03:08	1
2-Hexanone	ND		5.0	1.2	ug/L			12/08/16 03:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/08/16 03:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/08/16 03:08	1
Acetone	ND		10	3.0	ug/L			12/08/16 03:08	1
Benzene	ND		1.0	0.41	ug/L			12/08/16 03:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/08/16 03:08	1
Bromoform	ND		1.0	0.26	ug/L			12/08/16 03:08	1
Bromomethane	ND		1.0	0.69	ug/L			12/08/16 03:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/08/16 03:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/08/16 03:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/08/16 03:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/08/16 03:08	1
Chloroethane	ND		1.0	0.32	ug/L			12/08/16 03:08	1
Chloroform	ND		1.0	0.34	ug/L			12/08/16 03:08	1
Chloromethane	ND		1.0	0.35	ug/L			12/08/16 03:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/08/16 03:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/08/16 03:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/16 03:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/08/16 03:08	1
Styrene	ND		1.0	0.73	ug/L			12/08/16 03:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/08/16 03:08	1
Toluene	ND		1.0	0.51	ug/L			12/08/16 03:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/08/16 03:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/08/16 03:08	1
Trichloroethene	ND		1.0	0.46	ug/L			12/08/16 03:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/08/16 03:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/16 03:08	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96			77 - 120				12/08/16 03:08	1
Toluene-d8 (Surr)	96			80 - 120				12/08/16 03:08	1
4-Bromofluorobenzene (Surr)	102			73 - 120				12/08/16 03:08	1
Dibromofluoromethane (Surr)	101			75 - 123				12/08/16 03:08	1

TestAmerica Buffalo

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
SDG: 480-110543-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (77-120)	TOL (80-120)	BFB (73-120)	DBFM (75-123)
480-110543-1	PMW-3P-120516	97	98	98	104
480-110543-2	PMW-3S-120516	103	102	100	106
480-110543-3	OSMW-10P-120516	97	99	98	103
480-110543-4	OSMW-10S-120516	98	99	102	105
480-110543-5	TMW-1P-120516	97	100	100	101
480-110543-5 MS	TMW-1P-120516	99	98	102	105
480-110543-5 MSD	TMW-1P-120516	98	99	100	102
480-110543-6	AF-4P-120516	101	101	101	105
480-110543-7	AF-4S-120516	95	99	100	102
480-110543-8	AF-6S-120516	96	98	99	102
480-110543-9	AF-19S-120516	95	98	98	102
480-110543-10	AF-11S-120516	97	99	99	103
480-110543-11	AF-13P-120516	93	98	95	99
480-110543-12	AF-13S-120516	94	96	98	103
480-110543-13	Trip Blank	96	96	102	101
LCS 480-335269/5	Lab Control Sample	97	101	102	103
MB 480-335269/8	Method Blank	99	98	99	103

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
SDG: 480-110543-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-335269/8

Matrix: Water

Analysis Batch: 335269

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	Dil Fac						
	Result	Qualifier		RL	MDL	Unit	D	Prepared	Analyzed
1,1,1-Trichloroethane	ND		1	1.0	0.82	ug/L		12/07/16 21:23	1
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.21	ug/L		12/07/16 21:23	1
1,1,2-Trichloroethane	ND		1	1.0	0.23	ug/L		12/07/16 21:23	1
1,1-Dichloroethane	ND		1	1.0	0.38	ug/L		12/07/16 21:23	1
1,1-Dichloroethene	ND		1	1.0	0.29	ug/L		12/07/16 21:23	1
1,2-Dichloroethane	ND		1	1.0	0.21	ug/L		12/07/16 21:23	1
1,2-Dichloropropane	ND		1	1.0	0.72	ug/L		12/07/16 21:23	1
2-Hexanone	ND		1	5.0	1.2	ug/L		12/07/16 21:23	1
2-Butanone (MEK)	ND		1	10	1.3	ug/L		12/07/16 21:23	1
4-Methyl-2-pentanone (MIBK)	ND		1	5.0	2.1	ug/L		12/07/16 21:23	1
Acetone	ND		1	10	3.0	ug/L		12/07/16 21:23	1
Benzene	ND		1	1.0	0.41	ug/L		12/07/16 21:23	1
Bromodichloromethane	ND		1	1.0	0.39	ug/L		12/07/16 21:23	1
Bromoform	ND		1	1.0	0.26	ug/L		12/07/16 21:23	1
Bromomethane	ND		1	1.0	0.69	ug/L		12/07/16 21:23	1
Carbon disulfide	ND		1	1.0	0.19	ug/L		12/07/16 21:23	1
Carbon tetrachloride	ND		1	1.0	0.27	ug/L		12/07/16 21:23	1
Chlorobenzene	ND		1	1.0	0.75	ug/L		12/07/16 21:23	1
Dibromochloromethane	ND		1	1.0	0.32	ug/L		12/07/16 21:23	1
Chloroethane	ND		1	1.0	0.32	ug/L		12/07/16 21:23	1
Chloroform	ND		1	1.0	0.34	ug/L		12/07/16 21:23	1
Chloromethane	ND		1	1.0	0.35	ug/L		12/07/16 21:23	1
cis-1,2-Dichloroethene	ND		1	1.0	0.81	ug/L		12/07/16 21:23	1
cis-1,3-Dichloropropene	ND		1	1.0	0.36	ug/L		12/07/16 21:23	1
Ethylbenzene	ND		1	1.0	0.74	ug/L		12/07/16 21:23	1
Methylene Chloride	ND		1	1.0	0.44	ug/L		12/07/16 21:23	1
Styrene	ND		1	1.0	0.73	ug/L		12/07/16 21:23	1
Tetrachloroethene	ND		1	1.0	0.36	ug/L		12/07/16 21:23	1
Toluene	ND		1	1.0	0.51	ug/L		12/07/16 21:23	1
trans-1,2-Dichloroethene	ND		1	1.0	0.90	ug/L		12/07/16 21:23	1
trans-1,3-Dichloropropene	ND		1	1.0	0.37	ug/L		12/07/16 21:23	1
Trichloroethene	ND		1	1.0	0.46	ug/L		12/07/16 21:23	1
Vinyl chloride	ND		1	1.0	0.90	ug/L		12/07/16 21:23	1
Xylenes, Total	ND		1	2.0	0.66	ug/L		12/07/16 21:23	1

Surrogate	MB	MB	Dil Fac				
	%Recovery	Qualifier		Limits	Prepared	Analyzed	
1,2-Dichloroethane-d4 (Surr)	99		1	77 - 120		12/07/16 21:23	
Toluene-d8 (Surr)	98		1	80 - 120		12/07/16 21:23	
4-Bromofluorobenzene (Surr)	99		1	73 - 120		12/07/16 21:23	
Dibromofluoromethane (Surr)	103		1	75 - 123		12/07/16 21:23	

Lab Sample ID: LCS 480-335269/5

Matrix: Water

Analysis Batch: 335269

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike		LCS	LCS	Unit	D	%Rec	Limits	Dil Fac
	Added	Result	Qualifier	Unit					
1,1,1-Trichloroethane	25.0	24.2		ug/L	97	73 - 126			
1,1,2,2-Tetrachloroethane	25.0	24.5		ug/L	98	76 - 120			

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
 SDG: 480-110543-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-335269/5

Matrix: Water

Analysis Batch: 335269

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS		Unit	D	%Rec	Limits
	Added	Result	Qualifier				
1,1,2-Trichloroethane	25.0	24.1		ug/L		97	76 - 122
1,1-Dichloroethane	25.0	23.5		ug/L		94	77 - 120
1,1-Dichloroethene	25.0	23.9		ug/L		96	66 - 127
1,2-Dichloroethane	25.0	23.0		ug/L		92	75 - 120
1,2-Dichloropropane	25.0	23.9		ug/L		96	76 - 120
2-Hexanone	125	124		ug/L		99	65 - 127
2-Butanone (MEK)	125	132		ug/L		105	57 - 140
4-Methyl-2-pentanone (MIBK)	125	118		ug/L		94	71 - 125
Acetone	125	142		ug/L		113	56 - 142
Benzene	25.0	23.7		ug/L		95	71 - 124
Bromodichloromethane	25.0	25.6		ug/L		102	80 - 122
Bromoform	25.0	29.1		ug/L		116	61 - 132
Bromomethane	25.0	24.7		ug/L		99	55 - 144
Carbon disulfide	25.0	23.6		ug/L		94	59 - 134
Carbon tetrachloride	25.0	26.7		ug/L		107	72 - 134
Chlorobenzene	25.0	24.5		ug/L		98	80 - 120
Dibromochloromethane	25.0	28.4		ug/L		113	75 - 125
Chloroethane	25.0	25.3		ug/L		101	69 - 136
Chloroform	25.0	22.1		ug/L		88	73 - 127
Chloromethane	25.0	22.8		ug/L		91	68 - 124
cis-1,2-Dichloroethene	25.0	23.4		ug/L		94	74 - 124
cis-1,3-Dichloropropene	25.0	23.7		ug/L		95	74 - 124
Ethylbenzene	25.0	23.8		ug/L		95	77 - 123
Methylene Chloride	25.0	22.7		ug/L		91	75 - 124
Styrene	25.0	24.2		ug/L		97	80 - 120
Tetrachloroethene	25.0	24.7		ug/L		99	74 - 122
Toluene	25.0	23.8		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	23.9		ug/L		96	73 - 127
trans-1,3-Dichloropropene	25.0	24.1		ug/L		97	80 - 120
Trichloroethene	25.0	23.2		ug/L		93	74 - 123
Vinyl chloride	25.0	24.1		ug/L		96	65 - 133
Xylenes, Total	50.0	49.5		ug/L		99	76 - 122

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	97		77 - 120
Toluene-d8 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Dibromofluoromethane (Surr)	103		75 - 123

Lab Sample ID: 480-110543-5 MS

Matrix: Water

Analysis Batch: 335269

Client Sample ID: TMW-1P-120516
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
1,1,1-Trichloroethane	110		100	210		ug/L		99	73 - 126
1,1,2,2-Tetrachloroethane	ND		100	103		ug/L		103	76 - 120
1,1,2-Trichloroethane	ND		100	101		ug/L		101	76 - 122
1,1-Dichloroethane	43		100	141		ug/L		97	77 - 120

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
 SDG: 480-110543-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-110543-5 MS

Matrix: Water

Analysis Batch: 335269

Client Sample ID: TMW-1P-120516
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
1,1-Dichloroethene	13		100	117		ug/L		104	66 - 127
1,2-Dichloroethane	ND		100	97.5		ug/L		97	75 - 120
1,2-Dichloropropane	ND		100	101		ug/L		101	76 - 120
2-Hexanone	ND		500	473		ug/L		95	65 - 127
2-Butanone (MEK)	ND		500	517		ug/L		103	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		500	485		ug/L		97	71 - 125
Acetone	ND		500	474		ug/L		95	56 - 142
Benzene	ND		100	102		ug/L		102	71 - 124
Bromodichloromethane	ND		100	110		ug/L		110	80 - 122
Bromoform	ND		100	117		ug/L		117	61 - 132
Bromomethane	ND		100	114		ug/L		114	55 - 144
Carbon disulfide	ND		100	96.4		ug/L		96	59 - 134
Carbon tetrachloride	ND		100	116		ug/L		116	72 - 134
Chlorobenzene	ND		100	102		ug/L		102	80 - 120
Dibromochloromethane	ND		100	118		ug/L		118	75 - 125
Chloroethane	ND		100	113		ug/L		113	69 - 136
Chloroform	1.5	J	100	96.4		ug/L		95	73 - 127
Chloromethane	ND		100	101		ug/L		101	68 - 124
cis-1,2-Dichloroethene	38		100	134		ug/L		96	74 - 124
cis-1,3-Dichloropropene	ND		100	99.1		ug/L		99	74 - 124
Ethylbenzene	ND		100	99.9		ug/L		100	77 - 123
Methylene Chloride	2.0	J	100	98.1		ug/L		96	75 - 124
Styrene	ND		100	97.5		ug/L		98	80 - 120
Tetrachloroethene	ND		100	106		ug/L		106	74 - 122
Toluene	ND		100	98.1		ug/L		98	80 - 122
trans-1,2-Dichloroethene	ND		100	105		ug/L		105	73 - 127
trans-1,3-Dichloropropene	ND		100	98.6		ug/L		99	80 - 120
Trichloroethene	150	F1	100	238		ug/L		92	74 - 123
Vinyl chloride	20		100	130		ug/L		110	65 - 133
Xylenes, Total	ND		200	205		ug/L		103	76 - 122

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	99		77 - 120
Toluene-d8 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Dibromofluoromethane (Surr)	105		75 - 123

Lab Sample ID: 480-110543-5 MSD

Matrix: Water

Analysis Batch: 335269

Client Sample ID: TMW-1P-120516
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
1,1,1-Trichloroethane	110		100	197		ug/L		86	73 - 126	6	15
1,1,2,2-Tetrachloroethane	ND		100	103		ug/L		103	76 - 120	1	15
1,1,2-Trichloroethane	ND		100	100		ug/L		100	76 - 122	1	15
1,1-Dichloroethane	43		100	134		ug/L		91	77 - 120	5	20
1,1-Dichloroethene	13		100	109		ug/L		95	66 - 127	7	16
1,2-Dichloroethane	ND		100	92.3		ug/L		92	75 - 120	5	20

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
 SDG: 480-110543-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-110543-5 MSD

Client Sample ID: TMW-1P-120516

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 335269

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						
1,2-Dichloropropane	ND		100	97.8		ug/L		98	76 - 120	3	20
2-Hexanone	ND		500	470		ug/L		94	65 - 127	1	15
2-Butanone (MEK)	ND		500	491		ug/L		98	57 - 140	5	20
4-Methyl-2-pentanone (MIBK)	ND		500	484		ug/L		97	71 - 125	0	35
Acetone	ND		500	468		ug/L		94	56 - 142	1	15
Benzene	ND		100	97.1		ug/L		97	71 - 124	5	13
Bromodichloromethane	ND		100	105		ug/L		105	80 - 122	5	15
Bromoform	ND		100	120		ug/L		120	61 - 132	3	15
Bromomethane	ND		100	107		ug/L		107	55 - 144	7	15
Carbon disulfide	ND		100	89.5		ug/L		90	59 - 134	7	15
Carbon tetrachloride	ND		100	109		ug/L		109	72 - 134	6	15
Chlorobenzene	ND		100	99.3		ug/L		99	80 - 120	3	25
Dibromochloromethane	ND		100	116		ug/L		116	75 - 125	2	15
Chloroethane	ND		100	105		ug/L		105	69 - 136	7	15
Chloroform	1.5 J		100	92.1		ug/L		91	73 - 127	5	20
Chloromethane	ND		100	94.5		ug/L		94	68 - 124	7	15
cis-1,2-Dichloroethene	38		100	130		ug/L		92	74 - 124	3	15
cis-1,3-Dichloropropene	ND		100	95.1		ug/L		95	74 - 124	4	15
Ethylbenzene	ND		100	93.5		ug/L		93	77 - 123	7	15
Methylene Chloride	2.0 J		100	93.4		ug/L		91	75 - 124	5	15
Styrene	ND		100	94.3		ug/L		94	80 - 120	3	20
Tetrachloroethene	ND		100	104		ug/L		104	74 - 122	2	20
Toluene	ND		100	94.3		ug/L		94	80 - 122	4	15
trans-1,2-Dichloroethene	ND		100	98.4		ug/L		98	73 - 127	7	20
trans-1,3-Dichloropropene	ND		100	93.2		ug/L		93	80 - 120	6	15
Trichloroethene	150 F1		100	218 F1		ug/L		73	74 - 123	9	16
Vinyl chloride	20		100	119		ug/L		99	65 - 133	9	15
Xylenes, Total	ND		200	197		ug/L		98	76 - 122	4	16

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	98		77 - 120
Toluene-d8 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	100		73 - 120
Dibromofluoromethane (Surr)	102		75 - 123

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
SDG: 480-110543-1

GC/MS VOA

Analysis Batch: 335269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110543-1	PMW-3P-120516	Total/NA	Water	8260C	1
480-110543-2	PMW-3S-120516	Total/NA	Water	8260C	2
480-110543-3	OSMW-10P-120516	Total/NA	Water	8260C	3
480-110543-4	OSMW-10S-120516	Total/NA	Water	8260C	4
480-110543-5	TMW-1P-120516	Total/NA	Water	8260C	5
480-110543-6	AF-4P-120516	Total/NA	Water	8260C	6
480-110543-7	AF-4S-120516	Total/NA	Water	8260C	7
480-110543-8	AF-6S-120516	Total/NA	Water	8260C	8
480-110543-9	AF-19S-120516	Total/NA	Water	8260C	9
480-110543-10	AF-11S-120516	Total/NA	Water	8260C	10
480-110543-11	AF-13P-120516	Total/NA	Water	8260C	11
480-110543-12	AF-13S-120516	Total/NA	Water	8260C	12
480-110543-13	Trip Blank	Total/NA	Water	8260C	13
MB 480-335269/8	Method Blank	Total/NA	Water	8260C	14
LCS 480-335269/5	Lab Control Sample	Total/NA	Water	8260C	15
480-110543-5 MS	TMW-1P-120516	Total/NA	Water	8260C	
480-110543-5 MSD	TMW-1P-120516	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
 Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
 SDG: 480-110543-1

Client Sample ID: PMW-3P-120516

Date Collected: 12/05/16 11:49

Date Received: 12/06/16 09:30

Lab Sample ID: 480-110543-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	335269	12/07/16 22:21	GTG	TAL BUF

Client Sample ID: PMW-3S-120516

Date Collected: 12/05/16 11:55

Date Received: 12/06/16 09:30

Lab Sample ID: 480-110543-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335269	12/07/16 22:45	GTG	TAL BUF

Client Sample ID: OSMW-10P-120516

Date Collected: 12/05/16 12:14

Date Received: 12/06/16 09:30

Lab Sample ID: 480-110543-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335269	12/07/16 23:09	GTG	TAL BUF

Client Sample ID: OSMW-10S-120516

Date Collected: 12/05/16 12:20

Date Received: 12/06/16 09:30

Lab Sample ID: 480-110543-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335269	12/07/16 23:33	GTG	TAL BUF

Client Sample ID: TMW-1P-120516

Date Collected: 12/05/16 13:06

Date Received: 12/06/16 09:30

Lab Sample ID: 480-110543-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	335269	12/07/16 23:57	GTG	TAL BUF

Client Sample ID: AF-4P-120516

Date Collected: 12/05/16 13:14

Date Received: 12/06/16 09:30

Lab Sample ID: 480-110543-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335269	12/08/16 00:21	GTG	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: O'Brien & Gere Inc of North America
 Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
 SDG: 480-110543-1

Client Sample ID: AF-4S-120516

Date Collected: 12/05/16 13:20
 Date Received: 12/06/16 09:30

Lab Sample ID: 480-110543-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335269	12/08/16 00:45	GTG	TAL BUF

Client Sample ID: AF-6S-120516

Date Collected: 12/05/16 13:43
 Date Received: 12/06/16 09:30

Lab Sample ID: 480-110543-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335269	12/08/16 01:08	GTG	TAL BUF

Client Sample ID: AF-19S-120516

Date Collected: 12/05/16 13:54
 Date Received: 12/06/16 09:30

Lab Sample ID: 480-110543-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335269	12/08/16 01:32	GTG	TAL BUF

Client Sample ID: AF-11S-120516

Date Collected: 12/05/16 14:14
 Date Received: 12/06/16 09:30

Lab Sample ID: 480-110543-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335269	12/08/16 01:57	GTG	TAL BUF

Client Sample ID: AF-13P-120516

Date Collected: 12/05/16 14:41
 Date Received: 12/06/16 09:30

Lab Sample ID: 480-110543-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335269	12/08/16 02:20	GTG	TAL BUF

Client Sample ID: AF-13S-120516

Date Collected: 12/05/16 14:50
 Date Received: 12/06/16 09:30

Lab Sample ID: 480-110543-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335269	12/08/16 02:44	GTG	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
SDG: 480-110543-1

Client Sample ID: Trip Blank

Date Collected: 12/05/16 00:00
Date Received: 12/06/16 09:30

Lab Sample ID: 480-110543-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335269	12/08/16 03:08	GTG	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Certification Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
 SDG: 480-110543-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17
Georgia	State Program	4	956	03-31-17
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-17 *
Kansas	NELAP	7	E-10187	11-30-16 *
Kentucky (DW)	State Program	4	90029	12-31-16 *
Kentucky (UST)	State Program	4	30	03-31-17
Kentucky (WW)	State Program	4	90029	12-31-16 *
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-18
Maryland	State Program	3	294	03-31-17
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17
Minnesota	NELAP	5	036-999-337	12-31-16 *
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-17
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17
North Dakota	State Program	8	R-176	03-31-17
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-16 *
Tennessee	State Program	4	TN02970	03-31-17
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-17 *
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

TestAmerica Buffalo

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
SDG: 480-110543-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Sample Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE- IRM

TestAmerica Job ID: 480-110543-1
 SDG: 480-110543-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-110543-1	PMW-3P-120516	Water	12/05/16 11:49	12/06/16 09:30
480-110543-2	PMW-3S-120516	Water	12/05/16 11:55	12/06/16 09:30
480-110543-3	OSMW-10P-120516	Water	12/05/16 12:14	12/06/16 09:30
480-110543-4	OSMW-10S-120516	Water	12/05/16 12:20	12/06/16 09:30
480-110543-5	TMW-1P-120516	Water	12/05/16 13:06	12/06/16 09:30
480-110543-6	AF-4P-120516	Water	12/05/16 13:14	12/06/16 09:30
480-110543-7	AF-4S-120516	Water	12/05/16 13:20	12/06/16 09:30
480-110543-8	AF-6S-120516	Water	12/05/16 13:43	12/06/16 09:30
480-110543-9	AF-19S-120516	Water	12/05/16 13:54	12/06/16 09:30
480-110543-10	AF-11S-120516	Water	12/05/16 14:14	12/06/16 09:30
480-110543-11	AF-13P-120516	Water	12/05/16 14:41	12/06/16 09:30
480-110543-12	AF-13S-120516	Water	12/05/16 14:50	12/06/16 09:30
480-110543-13	Trip Blank	Water	12/05/16 00:00	12/06/16 09:30

TestAmerica Buffalo

10 Hazewood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

CINCINNATI Chain of Custody Record

210501

Client Information		Sample		Lab P/M:		Carrier Tracking No(s):		COC No:		
Client Contact:	Chase Forman	Phone:	513-691-2025	E-Mail:	Johnson, Oriette S orlette.johnson@testamericanainc.com	70031339 2305		480-89847-21923.1		
Company:	O'Brien & Gere Inc of North America	Address:		TAT Requested (days):	14 days	Job #:		Page: 1 of 2		
Analysis Requested										
<input type="checkbox"/> Standard <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> Sediment <input type="checkbox"/> Sludge <input type="checkbox"/> Fats/Oils <input type="checkbox"/> Residue <input type="checkbox"/> Filtered Sample (Yes or No) <input type="checkbox"/> Petrol/MSDS (Yes or No) <input type="checkbox"/> Total Number of Contaminants <input type="checkbox"/> Special Instructions/Note:										
Due Date Requested: Standard TAT Requested (days): 14 days PO #: 11600088 WO #: 62574 100.130 Project #: 48003453 SSOW#:										
Sample Identification		Sample Date	Sample Time	Sample Type	Sample	Matrix	Preservation Code:			
Sample ID:	PMW-3P-120514	12/5/14	14:19	G	Water	X	A	B	C	
Sample ID:	PMW-3S-120514		1:55	I	Water	X				
Sample ID:	OSMN-1P-120514		12:4	I	Water	X				
Sample ID:	OSMN-1P-120514		2:20	I	Water	X				
Sample ID:	TMW-1P-120514		3:06	I	Water	X				
Sample ID:	AF-H2-120514		13:17	I	Water	X				
Sample ID:	AF-HS-120514		13:20	I	Water	X				
Sample ID:	AF-HS-120514		13:43	I	Water	X				
Sample ID:	AF-HS-120514		13:54	I	Water	X				
Sample ID:	AF-1S-120514		14:44	V	Water	X				
Sample ID:	AF-BP-120514		14:41	V	Water	X				
<input type="checkbox"/> Possible Hazard Identification <input type="checkbox"/> Flammable <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison A <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological <input type="checkbox"/> Other (specify):										
Relinquished by: <u>John Deller</u> Date/Time: 12/5/14 Time: _____ Received by: <u>John Deller</u> Date/Time: 12/6/14 Time: _____										
Deliverable Requested: I, II, III, IV, Other (specify):										
Empty Kit Relinquished by: _____ Date: _____ Received by: _____ Date/Time: _____										
Relinquished by: <u>John Deller</u> Date/Time: 12/5/14 Time: _____ Received by: <u>John Deller</u> Date/Time: 12/6/14 Time: _____										
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.: Z0 #1										
Cooler Temperature(s) °C and Other Remarks:										

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America
 Job Number: 480-110543-1
 SDG Number: 480-110543-1

Login Number: 110543

List Number: 1

Creator: Janish, Carl M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-110650-1

TestAmerica Sample Delivery Group: 480-110650-1

Client Project/Site: GE - IRM

For:

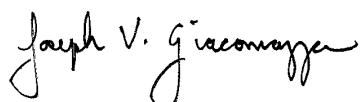
O'Brien & Gere Inc of North America

8805 Governor's Hill Dr.

Ste. 164

Cincinnati, Ohio 45249

Attn: Chase Forman



Authorized for release by:

12/13/2016 11:06:08 AM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?

Ask
The
Expert

Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
Surrogate Summary	11
QC Sample Results	12
QC Association Summary	14
Lab Chronicle	15
Certification Summary	16
Method Summary	17
Sample Summary	18
Chain of Custody	19
Receipt Checklists	20

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110650-1
SDG: 480-110650-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110650-1
SDG: 480-110650-1

Job ID: 480-110650-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-110650-1

Receipt

The samples were received on 12/7/2016 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8° C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-335549 recovered outside acceptance criteria, low biased, for 2-Hexanone, 4-Methyl-2-pentanone (MIBK) and 2-Butanone (MEK). A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detects for these analytes, the data have been reported. The following samples are impacted: OSMW-12P-120616 (480-110650-1), OSMW-11P-120616 (480-110650-2), OSMW-11S-120616 (480-110650-3), OSMW-13P-120616 (480-110650-4) and TRIP BLANK-120616 (480-110650-5).

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: OSMW-11S-120616 (480-110650-3). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110650-1
 SDG: 480-110650-1

Client Sample ID: OSMW-12P-120616

Lab Sample ID: 480-110650-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	2.6		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	2.1		1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	3.5	J	10	3.0	ug/L	1		8260C	Total/NA
Trichloroethene	3.1		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-11P-120616

Lab Sample ID: 480-110650-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.71	J	1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	0.90	J	1.0	0.81	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-11S-120616

Lab Sample ID: 480-110650-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	17		4.0	1.5	ug/L	4		8260C	Total/NA
1,1-Dichloroethene	1.6	J	4.0	1.2	ug/L	4		8260C	Total/NA
Acetone	22	J	40	12	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	140		4.0	3.2	ug/L	4		8260C	Total/NA
Methylene Chloride	3.0	J	4.0	1.8	ug/L	4		8260C	Total/NA
Trichloroethene	24		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: OSMW-13P-120616

Lab Sample ID: 480-110650-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.8		1.0	0.38	ug/L	1		8260C	Total/NA
2-Butanone (MEK)	1.9	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	24		10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK-120616

Lab Sample ID: 480-110650-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.47	J	1.0	0.44	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110650-1
 SDG: 480-110650-1

Client Sample ID: OSMW-12P-120616

Lab Sample ID: 480-110650-1

Matrix: Water

Date Collected: 12/06/16 09:10
 Date Received: 12/07/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.6		1.0	0.82	ug/L			12/09/16 11:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/16 11:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/16 11:08	1
1,1-Dichloroethane	2.1		1.0	0.38	ug/L			12/09/16 11:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/16 11:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/16 11:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/16 11:08	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/16 11:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/16 11:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/16 11:08	1
Acetone	3.5 J		10	3.0	ug/L			12/09/16 11:08	1
Benzene	ND		1.0	0.41	ug/L			12/09/16 11:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/16 11:08	1
Bromoform	ND		1.0	0.26	ug/L			12/09/16 11:08	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/16 11:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/16 11:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/16 11:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/16 11:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/16 11:08	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/16 11:08	1
Chloroform	ND		1.0	0.34	ug/L			12/09/16 11:08	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/16 11:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/09/16 11:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/16 11:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/16 11:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/16 11:08	1
Styrene	ND		1.0	0.73	ug/L			12/09/16 11:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/16 11:08	1
Toluene	ND		1.0	0.51	ug/L			12/09/16 11:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/16 11:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/16 11:08	1
Trichloroethene	3.1		1.0	0.46	ug/L			12/09/16 11:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/16 11:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/16 11:08	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95			77 - 120				12/09/16 11:08	1
Toluene-d8 (Surr)	95			80 - 120				12/09/16 11:08	1
4-Bromofluorobenzene (Surr)	101			73 - 120				12/09/16 11:08	1
Dibromofluoromethane (Surr)	102			75 - 123				12/09/16 11:08	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110650-1
 SDG: 480-110650-1

Client Sample ID: OSMW-11P-120616

Date Collected: 12/06/16 09:21

Date Received: 12/07/16 09:30

Lab Sample ID: 480-110650-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/09/16 11:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/16 11:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/16 11:35	1
1,1-Dichloroethane	0.71 J		1.0	0.38	ug/L			12/09/16 11:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/16 11:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/16 11:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/16 11:35	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/16 11:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/16 11:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/16 11:35	1
Acetone	ND		10	3.0	ug/L			12/09/16 11:35	1
Benzene	ND		1.0	0.41	ug/L			12/09/16 11:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/16 11:35	1
Bromoform	ND		1.0	0.26	ug/L			12/09/16 11:35	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/16 11:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/16 11:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/16 11:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/16 11:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/16 11:35	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/16 11:35	1
Chloroform	ND		1.0	0.34	ug/L			12/09/16 11:35	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/16 11:35	1
cis-1,2-Dichloroethene	0.90 J		1.0	0.81	ug/L			12/09/16 11:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/16 11:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/16 11:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/16 11:35	1
Styrene	ND		1.0	0.73	ug/L			12/09/16 11:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/16 11:35	1
Toluene	ND		1.0	0.51	ug/L			12/09/16 11:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/16 11:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/16 11:35	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/16 11:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/16 11:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/16 11:35	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96			77 - 120				12/09/16 11:35	1
Toluene-d8 (Surr)	96			80 - 120				12/09/16 11:35	1
4-Bromofluorobenzene (Surr)	97			73 - 120				12/09/16 11:35	1
Dibromofluoromethane (Surr)	97			75 - 123				12/09/16 11:35	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110650-1
 SDG: 480-110650-1

Client Sample ID: OSMW-11S-120616

Lab Sample ID: 480-110650-3

Matrix: Water

Date Collected: 12/06/16 09:30
 Date Received: 12/07/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			12/09/16 12:02	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			12/09/16 12:02	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			12/09/16 12:02	4
1,1-Dichloroethane	17		4.0	1.5	ug/L			12/09/16 12:02	4
1,1-Dichloroethene	1.6 J		4.0	1.2	ug/L			12/09/16 12:02	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			12/09/16 12:02	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			12/09/16 12:02	4
2-Hexanone	ND		20	5.0	ug/L			12/09/16 12:02	4
2-Butanone (MEK)	ND		40	5.3	ug/L			12/09/16 12:02	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			12/09/16 12:02	4
Acetone	22 J		40	12	ug/L			12/09/16 12:02	4
Benzene	ND		4.0	1.6	ug/L			12/09/16 12:02	4
Bromodichloromethane	ND		4.0	1.6	ug/L			12/09/16 12:02	4
Bromoform	ND		4.0	1.0	ug/L			12/09/16 12:02	4
Bromomethane	ND		4.0	2.8	ug/L			12/09/16 12:02	4
Carbon disulfide	ND		4.0	0.76	ug/L			12/09/16 12:02	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			12/09/16 12:02	4
Chlorobenzene	ND		4.0	3.0	ug/L			12/09/16 12:02	4
Dibromochloromethane	ND		4.0	1.3	ug/L			12/09/16 12:02	4
Chloroethane	ND		4.0	1.3	ug/L			12/09/16 12:02	4
Chloroform	ND		4.0	1.4	ug/L			12/09/16 12:02	4
Chloromethane	ND		4.0	1.4	ug/L			12/09/16 12:02	4
cis-1,2-Dichloroethene	140		4.0	3.2	ug/L			12/09/16 12:02	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			12/09/16 12:02	4
Ethylbenzene	ND		4.0	3.0	ug/L			12/09/16 12:02	4
Methylene Chloride	3.0 J		4.0	1.8	ug/L			12/09/16 12:02	4
Styrene	ND		4.0	2.9	ug/L			12/09/16 12:02	4
Tetrachloroethene	ND		4.0	1.4	ug/L			12/09/16 12:02	4
Toluene	ND		4.0	2.0	ug/L			12/09/16 12:02	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			12/09/16 12:02	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			12/09/16 12:02	4
Trichloroethene	24		4.0	1.8	ug/L			12/09/16 12:02	4
Vinyl chloride	ND		4.0	3.6	ug/L			12/09/16 12:02	4
Xylenes, Total	ND		8.0	2.6	ug/L			12/09/16 12:02	4
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100			77 - 120				12/09/16 12:02	4
Toluene-d8 (Surr)	94			80 - 120				12/09/16 12:02	4
4-Bromofluorobenzene (Surr)	98			73 - 120				12/09/16 12:02	4
Dibromofluoromethane (Surr)	103			75 - 123				12/09/16 12:02	4

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110650-1
 SDG: 480-110650-1

Client Sample ID: OSMW-13P-120616

Lab Sample ID: 480-110650-4

Matrix: Water

Date Collected: 12/06/16 09:42
 Date Received: 12/07/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/09/16 12:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/16 12:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/16 12:30	1
1,1-Dichloroethane	2.8		1.0	0.38	ug/L			12/09/16 12:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/16 12:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/16 12:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/16 12:30	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/16 12:30	1
2-Butanone (MEK)	1.9 J		10	1.3	ug/L			12/09/16 12:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/16 12:30	1
Acetone	24		10	3.0	ug/L			12/09/16 12:30	1
Benzene	ND		1.0	0.41	ug/L			12/09/16 12:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/16 12:30	1
Bromoform	ND		1.0	0.26	ug/L			12/09/16 12:30	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/16 12:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/16 12:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/16 12:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/16 12:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/16 12:30	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/16 12:30	1
Chloroform	ND		1.0	0.34	ug/L			12/09/16 12:30	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/16 12:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/09/16 12:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/16 12:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/16 12:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/16 12:30	1
Styrene	ND		1.0	0.73	ug/L			12/09/16 12:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/16 12:30	1
Toluene	ND		1.0	0.51	ug/L			12/09/16 12:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/16 12:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/16 12:30	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/16 12:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/16 12:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/16 12:30	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100			77 - 120				12/09/16 12:30	1
Toluene-d8 (Surr)	94			80 - 120				12/09/16 12:30	1
4-Bromofluorobenzene (Surr)	100			73 - 120				12/09/16 12:30	1
Dibromofluoromethane (Surr)	99			75 - 123				12/09/16 12:30	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110650-1
 SDG: 480-110650-1

Client Sample ID: TRIP BLANK-120616

Lab Sample ID: 480-110650-5

Date Collected: 12/06/16 00:00

Matrix: Water

Date Received: 12/07/16 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/09/16 12:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/16 12:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/16 12:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/09/16 12:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/16 12:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/16 12:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/16 12:56	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/16 12:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/16 12:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/16 12:56	1
Acetone	ND		10	3.0	ug/L			12/09/16 12:56	1
Benzene	ND		1.0	0.41	ug/L			12/09/16 12:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/16 12:56	1
Bromoform	ND		1.0	0.26	ug/L			12/09/16 12:56	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/16 12:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/16 12:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/16 12:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/16 12:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/16 12:56	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/16 12:56	1
Chloroform	ND		1.0	0.34	ug/L			12/09/16 12:56	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/16 12:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/09/16 12:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/16 12:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/16 12:56	1
Methylene Chloride	0.47 J		1.0	0.44	ug/L			12/09/16 12:56	1
Styrene	ND		1.0	0.73	ug/L			12/09/16 12:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/16 12:56	1
Toluene	ND		1.0	0.51	ug/L			12/09/16 12:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/16 12:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/16 12:56	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/16 12:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/16 12:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/16 12:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		12/09/16 12:56	1
Toluene-d8 (Surr)	96		80 - 120		12/09/16 12:56	1
4-Bromofluorobenzene (Surr)	102		73 - 120		12/09/16 12:56	1
Dibromofluoromethane (Surr)	102		75 - 123		12/09/16 12:56	1

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110650-1
SDG: 480-110650-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (77-120)	TOL (80-120)	BFB (73-120)	DBFM (75-123)
480-110650-1	OSMW-12P-120616	95	95	101	102
480-110650-2	OSMW-11P-120616	96	96	97	97
480-110650-3	OSMW-11S-120616	100	94	98	103
480-110650-4	OSMW-13P-120616	100	94	100	99
480-110650-5	TRIP BLANK-120616	100	96	102	102
LCS 480-335549/4	Lab Control Sample	98	98	99	101
MB 480-335549/6	Method Blank	97	96	99	100

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110650-1
SDG: 480-110650-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-335549/6

Matrix: Water

Analysis Batch: 335549

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	Dil Fac						
	Result	Qualifier		RL	MDL	Unit	D	Prepared	Analyzed
1,1,1-Trichloroethane	ND			1.0	0.82	ug/L		12/09/16 10:39	1
1,1,2,2-Tetrachloroethane	ND			1.0	0.21	ug/L		12/09/16 10:39	1
1,1,2-Trichloroethane	ND			1.0	0.23	ug/L		12/09/16 10:39	1
1,1-Dichloroethane	ND			1.0	0.38	ug/L		12/09/16 10:39	1
1,1-Dichloroethene	ND			1.0	0.29	ug/L		12/09/16 10:39	1
1,2-Dichloroethane	ND			1.0	0.21	ug/L		12/09/16 10:39	1
1,2-Dichloropropane	ND			1.0	0.72	ug/L		12/09/16 10:39	1
2-Hexanone	ND			5.0	1.2	ug/L		12/09/16 10:39	1
2-Butanone (MEK)	ND			10	1.3	ug/L		12/09/16 10:39	1
4-Methyl-2-pentanone (MIBK)	ND			5.0	2.1	ug/L		12/09/16 10:39	1
Acetone	ND			10	3.0	ug/L		12/09/16 10:39	1
Benzene	ND			1.0	0.41	ug/L		12/09/16 10:39	1
Bromodichloromethane	ND			1.0	0.39	ug/L		12/09/16 10:39	1
Bromoform	ND			1.0	0.26	ug/L		12/09/16 10:39	1
Bromomethane	ND			1.0	0.69	ug/L		12/09/16 10:39	1
Carbon disulfide	ND			1.0	0.19	ug/L		12/09/16 10:39	1
Carbon tetrachloride	ND			1.0	0.27	ug/L		12/09/16 10:39	1
Chlorobenzene	ND			1.0	0.75	ug/L		12/09/16 10:39	1
Dibromochloromethane	ND			1.0	0.32	ug/L		12/09/16 10:39	1
Chloroethane	ND			1.0	0.32	ug/L		12/09/16 10:39	1
Chloroform	ND			1.0	0.34	ug/L		12/09/16 10:39	1
Chloromethane	ND			1.0	0.35	ug/L		12/09/16 10:39	1
cis-1,2-Dichloroethene	ND			1.0	0.81	ug/L		12/09/16 10:39	1
cis-1,3-Dichloropropene	ND			1.0	0.36	ug/L		12/09/16 10:39	1
Ethylbenzene	ND			1.0	0.74	ug/L		12/09/16 10:39	1
Methylene Chloride	ND			1.0	0.44	ug/L		12/09/16 10:39	1
Styrene	ND			1.0	0.73	ug/L		12/09/16 10:39	1
Tetrachloroethene	ND			1.0	0.36	ug/L		12/09/16 10:39	1
Toluene	ND			1.0	0.51	ug/L		12/09/16 10:39	1
trans-1,2-Dichloroethene	ND			1.0	0.90	ug/L		12/09/16 10:39	1
trans-1,3-Dichloropropene	ND			1.0	0.37	ug/L		12/09/16 10:39	1
Trichloroethene	ND			1.0	0.46	ug/L		12/09/16 10:39	1
Vinyl chloride	ND			1.0	0.90	ug/L		12/09/16 10:39	1
Xylenes, Total	ND			2.0	0.66	ug/L		12/09/16 10:39	1

Surrogate	MB	MB	Dil Fac				
	%Recovery	Qualifier		Limits	Prepared	Analyzed	
1,2-Dichloroethane-d4 (Surr)	97			77 - 120		12/09/16 10:39	1
Toluene-d8 (Surr)	96			80 - 120		12/09/16 10:39	1
4-Bromofluorobenzene (Surr)	99			73 - 120		12/09/16 10:39	1
Dibromofluoromethane (Surr)	100			75 - 123		12/09/16 10:39	1

Lab Sample ID: LCS 480-335549/4

Matrix: Water

Analysis Batch: 335549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Dil Fac	%Rec.	Limits
	Added	Result	Qualifier		Unit	
1,1,1-Trichloroethane	25.0	25.3			ug/L	101
1,1,2,2-Tetrachloroethane	25.0	22.2			ug/L	89

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110650-1
 SDG: 480-110650-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-335549/4

Matrix: Water

Analysis Batch: 335549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				
1,1,2-Trichloroethane	25.0	21.0		ug/L		84	76 - 122
1,1-Dichloroethane	25.0	22.6		ug/L		91	77 - 120
1,1-Dichloroethene	25.0	24.4		ug/L		98	66 - 127
1,2-Dichloroethane	25.0	23.0		ug/L		92	75 - 120
1,2-Dichloropropane	25.0	24.0		ug/L		96	76 - 120
2-Hexanone	125	96.3		ug/L		77	65 - 127
2-Butanone (MEK)	125	96.1		ug/L		77	57 - 140
4-Methyl-2-pentanone (MIBK)	125	99.9		ug/L		80	71 - 125
Acetone	125	85.9		ug/L		69	56 - 142
Benzene	25.0	24.0		ug/L		96	71 - 124
Bromodichloromethane	25.0	22.7		ug/L		91	80 - 122
Bromoform	25.0	22.6		ug/L		90	61 - 132
Bromomethane	25.0	28.9		ug/L		116	55 - 144
Carbon disulfide	25.0	23.0		ug/L		92	59 - 134
Carbon tetrachloride	25.0	24.8		ug/L		99	72 - 134
Chlorobenzene	25.0	23.4		ug/L		93	80 - 120
Dibromochloromethane	25.0	22.4		ug/L		90	75 - 125
Chloroethane	25.0	26.1		ug/L		104	69 - 136
Chloroform	25.0	24.3		ug/L		97	73 - 127
Chloromethane	25.0	22.7		ug/L		91	68 - 124
cis-1,2-Dichloroethene	25.0	24.5		ug/L		98	74 - 124
cis-1,3-Dichloropropene	25.0	23.4		ug/L		93	74 - 124
Ethylbenzene	25.0	23.6		ug/L		94	77 - 123
Methylene Chloride	25.0	23.0		ug/L		92	75 - 124
Styrene	25.0	24.4		ug/L		98	80 - 120
Tetrachloroethene	25.0	24.9		ug/L		100	74 - 122
Toluene	25.0	23.6		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	23.6		ug/L		94	73 - 127
trans-1,3-Dichloropropene	25.0	23.5		ug/L		94	80 - 120
Trichloroethene	25.0	25.0		ug/L		100	74 - 123
Vinyl chloride	25.0	26.2		ug/L		105	65 - 133
Xylenes, Total	50.0	48.2		ug/L		96	76 - 122

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	98		77 - 120
Toluene-d8 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	99		73 - 120
Dibromofluoromethane (Surr)	101		75 - 123

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110650-1
SDG: 480-110650-1

GC/MS VOA

Analysis Batch: 335549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110650-1	OSMW-12P-120616	Total/NA	Water	8260C	5
480-110650-2	OSMW-11P-120616	Total/NA	Water	8260C	6
480-110650-3	OSMW-11S-120616	Total/NA	Water	8260C	7
480-110650-4	OSMW-13P-120616	Total/NA	Water	8260C	8
480-110650-5	TRIP BLANK-120616	Total/NA	Water	8260C	9
MB 480-335549/6	Method Blank	Total/NA	Water	8260C	10
LCS 480-335549/4	Lab Control Sample	Total/NA	Water	8260C	11

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110650-1
SDG: 480-110650-1

Client Sample ID: OSMW-12P-120616

Date Collected: 12/06/16 09:10

Date Received: 12/07/16 09:30

Lab Sample ID: 480-110650-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335549	12/09/16 11:08	SMY	TAL BUF

Client Sample ID: OSMW-11P-120616

Date Collected: 12/06/16 09:21

Date Received: 12/07/16 09:30

Lab Sample ID: 480-110650-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335549	12/09/16 11:35	SMY	TAL BUF

Client Sample ID: OSMW-11S-120616

Date Collected: 12/06/16 09:30

Date Received: 12/07/16 09:30

Lab Sample ID: 480-110650-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	335549	12/09/16 12:02	SMY	TAL BUF

Client Sample ID: OSMW-13P-120616

Date Collected: 12/06/16 09:42

Date Received: 12/07/16 09:30

Lab Sample ID: 480-110650-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335549	12/09/16 12:30	SMY	TAL BUF

Client Sample ID: TRIP BLANK-120616

Date Collected: 12/06/16 00:00

Date Received: 12/07/16 09:30

Lab Sample ID: 480-110650-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335549	12/09/16 12:56	SMY	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TestAmerica Buffalo

Certification Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110650-1
 SDG: 480-110650-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17
Georgia	State Program	4	956	03-31-17
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-17 *
Kansas	NELAP	7	E-10187	11-30-16 *
Kentucky (DW)	State Program	4	90029	12-31-16 *
Kentucky (UST)	State Program	4	30	03-31-17
Kentucky (WW)	State Program	4	90029	12-31-16 *
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-18
Maryland	State Program	3	294	03-31-17
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17
Minnesota	NELAP	5	036-999-337	12-31-16 *
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-17
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17
North Dakota	State Program	8	R-176	03-31-17
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-16 *
Tennessee	State Program	4	TN02970	03-31-17
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-17 *
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

TestAmerica Buffalo

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110650-1
SDG: 480-110650-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110650-1
SDG: 480-110650-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-110650-1	OSMW-12P-120616	Water	12/06/16 09:10	12/07/16 09:30
480-110650-2	OSMW-11P-120616	Water	12/06/16 09:21	12/07/16 09:30
480-110650-3	OSMW-11S-120616	Water	12/06/16 09:30	12/07/16 09:30
480-110650-4	OSMW-13P-120616	Water	12/06/16 09:42	12/07/16 09:30
480-110650-5	TRIP BLANK-120616	Water	12/06/16 00:00	12/07/16 09:30

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

TestAmerica Buffalo

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-110650-1

SDG Number: 480-110650-1

Login Number: 110650

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	obj
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-110777-1

TestAmerica Sample Delivery Group: 480-110777-1

Client Project/Site: GE - IRM

For:

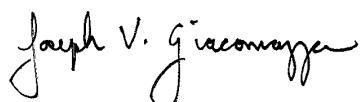
O'Brien & Gere Inc of North America

8805 Governor's Hill Dr.

Ste. 164

Cincinnati, Ohio 45249

Attn: Chase Forman



Authorized for release by:

12/19/2016 4:44:41 PM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?

Ask
The
Expert

Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	7
Surrogate Summary	18
QC Sample Results	19
QC Association Summary	25
Lab Chronicle	26
Certification Summary	28
Method Summary	29
Sample Summary	30
Chain of Custody	31
Receipt Checklists	32

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
SDG: 480-110777-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
SDG: 480-110777-1

Job ID: 480-110777-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-110777-1

Receipt

The samples were received on 12/8/2016 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4° C.

GC/MS VOA

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: OSMW-11D-120716 (480-110777-10). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
 SDG: 480-110777-1

Client Sample ID: PMW-2D-120716

Lab Sample ID: 480-110777-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	21		10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: AF-19D-120716

Lab Sample ID: 480-110777-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	13		10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: PMW-3D-120716

Lab Sample ID: 480-110777-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.3		1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	4.4	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	2.2		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	7.1		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-10D-120716

Lab Sample ID: 480-110777-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.7	J	10	3.0	ug/L	1		8260C	Total/NA
Vinyl chloride	1.8		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: PMW-4D-120716

Lab Sample ID: 480-110777-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.8	J	10	3.0	ug/L	1		8260C	Total/NA
Vinyl chloride	3.6		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: AF-11D-120716

Lab Sample ID: 480-110777-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.8	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.1		1.0	0.81	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-9D-120716

Lab Sample ID: 480-110777-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.9	J	10	3.0	ug/L	1		8260C	Total/NA
Vinyl chloride	15		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-9SR-120716

Lab Sample ID: 480-110777-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.9	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	5.7		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	16		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: DUP-01-120716

Lab Sample ID: 480-110777-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.9	J	10	3.0	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
SDG: 480-110777-1

Client Sample ID: DUP-01-120716 (Continued)

Lab Sample ID: 480-110777-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.2		1.0	0.81	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-11D-120716

Lab Sample ID: 480-110777-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.92	J	1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	20		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	2.1		1.0	0.29	ug/L	1		8260C	Total/NA
Acetone	4.2	J	10	3.0	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	3.2		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	21		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	3.9		1.0	0.90	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene - DL	130		4.0	3.2	ug/L	4		8260C	Total/NA

Client Sample ID: TRIP BLANK-120716

Lab Sample ID: 480-110777-11

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
 SDG: 480-110777-1

Client Sample ID: PMW-2D-120716

Lab Sample ID: 480-110777-1

Matrix: Water

Date Collected: 12/07/16 11:37

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/16 21:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/16 21:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/16 21:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/16 21:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/16 21:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/16 21:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/16 21:34	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/16 21:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/12/16 21:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/12/16 21:34	1
Acetone	21		10	3.0	ug/L			12/12/16 21:34	1
Benzene	ND		1.0	0.41	ug/L			12/12/16 21:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/12/16 21:34	1
Bromoform	ND		1.0	0.26	ug/L			12/12/16 21:34	1
Bromomethane	ND		1.0	0.69	ug/L			12/12/16 21:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/12/16 21:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/12/16 21:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/12/16 21:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/12/16 21:34	1
Chloroethane	ND		1.0	0.32	ug/L			12/12/16 21:34	1
Chloroform	ND		1.0	0.34	ug/L			12/12/16 21:34	1
Chloromethane	ND		1.0	0.35	ug/L			12/12/16 21:34	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/12/16 21:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/12/16 21:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/12/16 21:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/12/16 21:34	1
Styrene	ND		1.0	0.73	ug/L			12/12/16 21:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/12/16 21:34	1
Toluene	ND		1.0	0.51	ug/L			12/12/16 21:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/12/16 21:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/12/16 21:34	1
Trichloroethene	ND		1.0	0.46	ug/L			12/12/16 21:34	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/12/16 21:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/12/16 21:34	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103			77 - 120				12/12/16 21:34	1
Toluene-d8 (Surr)	101			80 - 120				12/12/16 21:34	1
4-Bromofluorobenzene (Surr)	91			73 - 120				12/12/16 21:34	1
Dibromofluoromethane (Surr)	104			75 - 123				12/12/16 21:34	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
 SDG: 480-110777-1

Client Sample ID: AF-19D-120716

Date Collected: 12/07/16 12:45

Date Received: 12/08/16 09:45

Lab Sample ID: 480-110777-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/16 21:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/16 21:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/16 21:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/16 21:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/16 21:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/16 21:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/16 21:58	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/16 21:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/12/16 21:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/12/16 21:58	1
Acetone	13		10	3.0	ug/L			12/12/16 21:58	1
Benzene	ND		1.0	0.41	ug/L			12/12/16 21:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/12/16 21:58	1
Bromoform	ND		1.0	0.26	ug/L			12/12/16 21:58	1
Bromomethane	ND		1.0	0.69	ug/L			12/12/16 21:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/12/16 21:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/12/16 21:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/12/16 21:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/12/16 21:58	1
Chloroethane	ND		1.0	0.32	ug/L			12/12/16 21:58	1
Chloroform	ND		1.0	0.34	ug/L			12/12/16 21:58	1
Chloromethane	ND		1.0	0.35	ug/L			12/12/16 21:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/12/16 21:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/12/16 21:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/12/16 21:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/12/16 21:58	1
Styrene	ND		1.0	0.73	ug/L			12/12/16 21:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/12/16 21:58	1
Toluene	ND		1.0	0.51	ug/L			12/12/16 21:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/12/16 21:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/12/16 21:58	1
Trichloroethene	ND		1.0	0.46	ug/L			12/12/16 21:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/12/16 21:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/12/16 21:58	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106			77 - 120				12/12/16 21:58	1
Toluene-d8 (Surr)	90			80 - 120				12/12/16 21:58	1
4-Bromofluorobenzene (Surr)	81			73 - 120				12/12/16 21:58	1
Dibromofluoromethane (Surr)	93			75 - 123				12/12/16 21:58	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
 SDG: 480-110777-1

Client Sample ID: PMW-3D-120716

Lab Sample ID: 480-110777-3

Matrix: Water

Date Collected: 12/07/16 13:32

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/16 22:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/16 22:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/16 22:21	1
1,1-Dichloroethane	3.3		1.0	0.38	ug/L			12/12/16 22:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/16 22:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/16 22:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/16 22:21	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/16 22:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/12/16 22:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/12/16 22:21	1
Acetone	4.4 J		10	3.0	ug/L			12/12/16 22:21	1
Benzene	ND		1.0	0.41	ug/L			12/12/16 22:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/12/16 22:21	1
Bromoform	ND		1.0	0.26	ug/L			12/12/16 22:21	1
Bromomethane	ND		1.0	0.69	ug/L			12/12/16 22:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/12/16 22:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/12/16 22:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/12/16 22:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/12/16 22:21	1
Chloroethane	ND		1.0	0.32	ug/L			12/12/16 22:21	1
Chloroform	ND		1.0	0.34	ug/L			12/12/16 22:21	1
Chloromethane	ND		1.0	0.35	ug/L			12/12/16 22:21	1
cis-1,2-Dichloroethene	2.2		1.0	0.81	ug/L			12/12/16 22:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/12/16 22:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/12/16 22:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/12/16 22:21	1
Styrene	ND		1.0	0.73	ug/L			12/12/16 22:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/12/16 22:21	1
Toluene	ND		1.0	0.51	ug/L			12/12/16 22:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/12/16 22:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/12/16 22:21	1
Trichloroethene	ND		1.0	0.46	ug/L			12/12/16 22:21	1
Vinyl chloride	7.1		1.0	0.90	ug/L			12/12/16 22:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/12/16 22:21	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101			77 - 120				12/12/16 22:21	1
Toluene-d8 (Surr)	102			80 - 120				12/12/16 22:21	1
4-Bromofluorobenzene (Surr)	92			73 - 120				12/12/16 22:21	1
Dibromofluoromethane (Surr)	103			75 - 123				12/12/16 22:21	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
 SDG: 480-110777-1

Client Sample ID: OSMW-10D-120716

Lab Sample ID: 480-110777-4

Matrix: Water

Date Collected: 12/07/16 13:45

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/16 22:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/16 22:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/16 22:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/16 22:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/16 22:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/16 22:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/16 22:44	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/16 22:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/12/16 22:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/12/16 22:44	1
Acetone	4.7 J		10	3.0	ug/L			12/12/16 22:44	1
Benzene	ND		1.0	0.41	ug/L			12/12/16 22:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/12/16 22:44	1
Bromoform	ND		1.0	0.26	ug/L			12/12/16 22:44	1
Bromomethane	ND		1.0	0.69	ug/L			12/12/16 22:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/12/16 22:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/12/16 22:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/12/16 22:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/12/16 22:44	1
Chloroethane	ND		1.0	0.32	ug/L			12/12/16 22:44	1
Chloroform	ND		1.0	0.34	ug/L			12/12/16 22:44	1
Chloromethane	ND		1.0	0.35	ug/L			12/12/16 22:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/12/16 22:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/12/16 22:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/12/16 22:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/12/16 22:44	1
Styrene	ND		1.0	0.73	ug/L			12/12/16 22:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/12/16 22:44	1
Toluene	ND		1.0	0.51	ug/L			12/12/16 22:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/12/16 22:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/12/16 22:44	1
Trichloroethene	ND		1.0	0.46	ug/L			12/12/16 22:44	1
Vinyl chloride	1.8		1.0	0.90	ug/L			12/12/16 22:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/12/16 22:44	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104			77 - 120				12/12/16 22:44	1
Toluene-d8 (Surr)	102			80 - 120				12/12/16 22:44	1
4-Bromofluorobenzene (Surr)	91			73 - 120				12/12/16 22:44	1
Dibromofluoromethane (Surr)	105			75 - 123				12/12/16 22:44	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
 SDG: 480-110777-1

Client Sample ID: PMW-4D-120716

Lab Sample ID: 480-110777-5

Matrix: Water

Date Collected: 12/07/16 14:20

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/16 23:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/16 23:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/16 23:07	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/16 23:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/16 23:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/16 23:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/16 23:07	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/16 23:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/12/16 23:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/12/16 23:07	1
Acetone	4.8 J		10	3.0	ug/L			12/12/16 23:07	1
Benzene	ND		1.0	0.41	ug/L			12/12/16 23:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/12/16 23:07	1
Bromoform	ND		1.0	0.26	ug/L			12/12/16 23:07	1
Bromomethane	ND		1.0	0.69	ug/L			12/12/16 23:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/12/16 23:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/12/16 23:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/12/16 23:07	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/12/16 23:07	1
Chloroethane	ND		1.0	0.32	ug/L			12/12/16 23:07	1
Chloroform	ND		1.0	0.34	ug/L			12/12/16 23:07	1
Chloromethane	ND		1.0	0.35	ug/L			12/12/16 23:07	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/12/16 23:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/12/16 23:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/12/16 23:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/12/16 23:07	1
Styrene	ND		1.0	0.73	ug/L			12/12/16 23:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/12/16 23:07	1
Toluene	ND		1.0	0.51	ug/L			12/12/16 23:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/12/16 23:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/12/16 23:07	1
Trichloroethene	ND		1.0	0.46	ug/L			12/12/16 23:07	1
Vinyl chloride	3.6		1.0	0.90	ug/L			12/12/16 23:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/12/16 23:07	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104			77 - 120				12/12/16 23:07	1
Toluene-d8 (Surr)	103			80 - 120				12/12/16 23:07	1
4-Bromofluorobenzene (Surr)	93			73 - 120				12/12/16 23:07	1
Dibromofluoromethane (Surr)	108			75 - 123				12/12/16 23:07	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
 SDG: 480-110777-1

Client Sample ID: AF-11D-120716

Date Collected: 12/07/16 14:35

Date Received: 12/08/16 09:45

Lab Sample ID: 480-110777-6

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/16 23:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/16 23:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/16 23:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/16 23:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/16 23:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/16 23:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/16 23:30	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/16 23:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/12/16 23:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/12/16 23:30	1
Acetone	3.8 J		10	3.0	ug/L			12/12/16 23:30	1
Benzene	ND		1.0	0.41	ug/L			12/12/16 23:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/12/16 23:30	1
Bromoform	ND		1.0	0.26	ug/L			12/12/16 23:30	1
Bromomethane	ND		1.0	0.69	ug/L			12/12/16 23:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/12/16 23:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/12/16 23:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/12/16 23:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/12/16 23:30	1
Chloroethane	ND		1.0	0.32	ug/L			12/12/16 23:30	1
Chloroform	ND		1.0	0.34	ug/L			12/12/16 23:30	1
Chloromethane	ND		1.0	0.35	ug/L			12/12/16 23:30	1
cis-1,2-Dichloroethene	1.1		1.0	0.81	ug/L			12/12/16 23:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/12/16 23:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/12/16 23:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/12/16 23:30	1
Styrene	ND		1.0	0.73	ug/L			12/12/16 23:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/12/16 23:30	1
Toluene	ND		1.0	0.51	ug/L			12/12/16 23:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/12/16 23:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/12/16 23:30	1
Trichloroethene	ND		1.0	0.46	ug/L			12/12/16 23:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/12/16 23:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/12/16 23:30	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107			77 - 120				12/12/16 23:30	1
Toluene-d8 (Surr)	111			80 - 120				12/12/16 23:30	1
4-Bromofluorobenzene (Surr)	98			73 - 120				12/12/16 23:30	1
Dibromofluoromethane (Surr)	106			75 - 123				12/12/16 23:30	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
 SDG: 480-110777-1

Client Sample ID: OSMW-9D-120716

Lab Sample ID: 480-110777-7

Matrix: Water

Date Collected: 12/07/16 15:05

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/12/16 23:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/12/16 23:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/12/16 23:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/12/16 23:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/12/16 23:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/12/16 23:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/12/16 23:53	1
2-Hexanone	ND		5.0	1.2	ug/L			12/12/16 23:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/12/16 23:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/12/16 23:53	1
Acetone	3.9 J		10	3.0	ug/L			12/12/16 23:53	1
Benzene	ND		1.0	0.41	ug/L			12/12/16 23:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/12/16 23:53	1
Bromoform	ND		1.0	0.26	ug/L			12/12/16 23:53	1
Bromomethane	ND		1.0	0.69	ug/L			12/12/16 23:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/12/16 23:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/12/16 23:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/12/16 23:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/12/16 23:53	1
Chloroethane	ND		1.0	0.32	ug/L			12/12/16 23:53	1
Chloroform	ND		1.0	0.34	ug/L			12/12/16 23:53	1
Chloromethane	ND		1.0	0.35	ug/L			12/12/16 23:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/12/16 23:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/12/16 23:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/12/16 23:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/12/16 23:53	1
Styrene	ND		1.0	0.73	ug/L			12/12/16 23:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/12/16 23:53	1
Toluene	ND		1.0	0.51	ug/L			12/12/16 23:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/12/16 23:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/12/16 23:53	1
Trichloroethene	ND		1.0	0.46	ug/L			12/12/16 23:53	1
Vinyl chloride	15		1.0	0.90	ug/L			12/12/16 23:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/12/16 23:53	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104			77 - 120				12/12/16 23:53	1
Toluene-d8 (Surr)	104			80 - 120				12/12/16 23:53	1
4-Bromofluorobenzene (Surr)	94			73 - 120				12/12/16 23:53	1
Dibromofluoromethane (Surr)	104			75 - 123				12/12/16 23:53	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
 SDG: 480-110777-1

Client Sample ID: OSMW-9SR-120716

Date Collected: 12/07/16 14:58

Date Received: 12/08/16 09:45

Lab Sample ID: 480-110777-8

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 00:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 00:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 00:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 00:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 00:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 00:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 00:16	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 00:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 00:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 00:16	1
Acetone	3.9 J		10	3.0	ug/L			12/13/16 00:16	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 00:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 00:16	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 00:16	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 00:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 00:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 00:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 00:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 00:16	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 00:16	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 00:16	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 00:16	1
cis-1,2-Dichloroethene	5.7		1.0	0.81	ug/L			12/13/16 00:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 00:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 00:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 00:16	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 00:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 00:16	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 00:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 00:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 00:16	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 00:16	1
Vinyl chloride	16		1.0	0.90	ug/L			12/13/16 00:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 00:16	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105			77 - 120				12/13/16 00:16	1
Toluene-d8 (Surr)	103			80 - 120				12/13/16 00:16	1
4-Bromofluorobenzene (Surr)	92			73 - 120				12/13/16 00:16	1
Dibromofluoromethane (Surr)	105			75 - 123				12/13/16 00:16	1

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
 SDG: 480-110777-1

Client Sample ID: DUP-01-120716

Date Collected: 12/07/16 14:00

Date Received: 12/08/16 09:45

Lab Sample ID: 480-110777-9

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 00:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 00:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 00:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 00:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 00:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 00:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 00:39	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 00:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 00:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 00:39	1
Acetone	3.9 J		10	3.0	ug/L			12/13/16 00:39	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 00:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 00:39	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 00:39	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 00:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 00:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 00:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 00:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 00:39	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 00:39	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 00:39	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 00:39	1
cis-1,2-Dichloroethene	1.2		1.0	0.81	ug/L			12/13/16 00:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 00:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 00:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 00:39	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 00:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 00:39	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 00:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 00:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 00:39	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 00:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/13/16 00:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 00:39	1
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107			77 - 120				12/13/16 00:39	1
Toluene-d8 (Surr)	99			80 - 120				12/13/16 00:39	1
4-Bromofluorobenzene (Surr)	91			73 - 120				12/13/16 00:39	1
Dibromofluoromethane (Surr)	105			75 - 123				12/13/16 00:39	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
 SDG: 480-110777-1

Client Sample ID: OSMW-11D-120716

Lab Sample ID: 480-110777-10

Date Collected: 12/07/16 15:30
 Date Received: 12/08/16 09:45

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.92	J	1.0	0.82	ug/L			12/13/16 01:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 01:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 01:03	1
1,1-Dichloroethane	20		1.0	0.38	ug/L			12/13/16 01:03	1
1,1-Dichloroethene	2.1		1.0	0.29	ug/L			12/13/16 01:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 01:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 01:03	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 01:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 01:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 01:03	1
Acetone	4.2	J	10	3.0	ug/L			12/13/16 01:03	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 01:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 01:03	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 01:03	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 01:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 01:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 01:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 01:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 01:03	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 01:03	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 01:03	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 01:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 01:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 01:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 01:03	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 01:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 01:03	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 01:03	1
trans-1,2-Dichloroethene	3.2		1.0	0.90	ug/L			12/13/16 01:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 01:03	1
Trichloroethene	21		1.0	0.46	ug/L			12/13/16 01:03	1
Vinyl chloride	3.9		1.0	0.90	ug/L			12/13/16 01:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 01:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	102		77 - 120				12/13/16 01:03	1	
Toluene-d8 (Surr)	101		80 - 120				12/13/16 01:03	1	
4-Bromofluorobenzene (Surr)	91		73 - 120				12/13/16 01:03	1	
Dibromofluoromethane (Surr)	103		75 - 123				12/13/16 01:03	1	

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	130		4.0	3.2	ug/L			12/13/16 17:50	4
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	105		77 - 120				12/13/16 17:50	4	
Toluene-d8 (Surr)	101		80 - 120				12/13/16 17:50	4	
4-Bromofluorobenzene (Surr)	90		73 - 120				12/13/16 17:50	4	
Dibromofluoromethane (Surr)	108		75 - 123				12/13/16 17:50	4	

TestAmerica Buffalo

Client Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
 SDG: 480-110777-1

Client Sample ID: TRIP BLANK-120716

Lab Sample ID: 480-110777-11

Date Collected: 12/07/16 00:00

Matrix: Water

Date Received: 12/08/16 09:45

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 01:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 01:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 01:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 01:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 01:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 01:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 01:26	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 01:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/13/16 01:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/13/16 01:26	1
Acetone	ND		10	3.0	ug/L			12/13/16 01:26	1
Benzene	ND		1.0	0.41	ug/L			12/13/16 01:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/13/16 01:26	1
Bromoform	ND		1.0	0.26	ug/L			12/13/16 01:26	1
Bromomethane	ND		1.0	0.69	ug/L			12/13/16 01:26	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/13/16 01:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/13/16 01:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/13/16 01:26	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/13/16 01:26	1
Chloroethane	ND		1.0	0.32	ug/L			12/13/16 01:26	1
Chloroform	ND		1.0	0.34	ug/L			12/13/16 01:26	1
Chloromethane	ND		1.0	0.35	ug/L			12/13/16 01:26	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/13/16 01:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/13/16 01:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/13/16 01:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/13/16 01:26	1
Styrene	ND		1.0	0.73	ug/L			12/13/16 01:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/13/16 01:26	1
Toluene	ND		1.0	0.51	ug/L			12/13/16 01:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/13/16 01:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/13/16 01:26	1
Trichloroethene	ND		1.0	0.46	ug/L			12/13/16 01:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/13/16 01:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/13/16 01:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		12/13/16 01:26	1
Toluene-d8 (Surr)	102		80 - 120		12/13/16 01:26	1
4-Bromofluorobenzene (Surr)	94		73 - 120		12/13/16 01:26	1
Dibromofluoromethane (Surr)	105		75 - 123		12/13/16 01:26	1

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
SDG: 480-110777-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (77-120)	TOL (80-120)	BFB (73-120)	DBFM (75-123)
480-110777-1	PMW-2D-120716	103	101	91	104
480-110777-2	AF-19D-120716	106	90	81	93
480-110777-3	PMW-3D-120716	101	102	92	103
480-110777-4	OSMW-10D-120716	104	102	91	105
480-110777-5	PMW-4D-120716	104	103	93	108
480-110777-6	AF-11D-120716	107	111	98	106
480-110777-6 MS	AF-11D-120716	99	106	96	101
480-110777-6 MSD	AF-11D-120716	101	104	94	100
480-110777-7	OSMW-9D-120716	104	104	94	104
480-110777-8	OSMW-9SR-120716	105	103	92	105
480-110777-9	DUP-01-120716	107	99	91	105
480-110777-10	OSMW-11D-120716	102	101	91	103
480-110777-10 - DL	OSMW-11D-120716	105	101	90	108
480-110777-11	TRIP BLANK-120716	102	102	94	105
LCS 480-336000/4	Lab Control Sample	99	106	97	104
LCS 480-336071/4	Lab Control Sample	99	104	96	102
MB 480-336000/6	Method Blank	104	101	92	106
MB 480-336071/6	Method Blank	102	102	91	105

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
SDG: 480-110777-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-336000/6

Matrix: Water

Analysis Batch: 336000

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	Dil Fac						
	Result	Qualifier		RL	MDL	Unit	D	Prepared	Analyzed
1,1,1-Trichloroethane	ND		1	1.0	0.82	ug/L		12/12/16 21:01	1
1,1,2,2-Tetrachloroethane	ND		1	1.0	0.21	ug/L		12/12/16 21:01	1
1,1,2-Trichloroethane	ND		1	1.0	0.23	ug/L		12/12/16 21:01	1
1,1-Dichloroethane	ND		1	1.0	0.38	ug/L		12/12/16 21:01	1
1,1-Dichloroethene	ND		1	1.0	0.29	ug/L		12/12/16 21:01	1
1,2-Dichloroethane	ND		1	1.0	0.21	ug/L		12/12/16 21:01	1
1,2-Dichloropropane	ND		1	1.0	0.72	ug/L		12/12/16 21:01	1
2-Hexanone	ND		1	5.0	1.2	ug/L		12/12/16 21:01	1
2-Butanone (MEK)	ND		1	10	1.3	ug/L		12/12/16 21:01	1
4-Methyl-2-pentanone (MIBK)	ND		1	5.0	2.1	ug/L		12/12/16 21:01	1
Acetone	ND		1	10	3.0	ug/L		12/12/16 21:01	1
Benzene	ND		1	1.0	0.41	ug/L		12/12/16 21:01	1
Bromodichloromethane	ND		1	1.0	0.39	ug/L		12/12/16 21:01	1
Bromoform	ND		1	1.0	0.26	ug/L		12/12/16 21:01	1
Bromomethane	ND		1	1.0	0.69	ug/L		12/12/16 21:01	1
Carbon disulfide	ND		1	1.0	0.19	ug/L		12/12/16 21:01	1
Carbon tetrachloride	ND		1	1.0	0.27	ug/L		12/12/16 21:01	1
Chlorobenzene	ND		1	1.0	0.75	ug/L		12/12/16 21:01	1
Dibromochloromethane	ND		1	1.0	0.32	ug/L		12/12/16 21:01	1
Chloroethane	ND		1	1.0	0.32	ug/L		12/12/16 21:01	1
Chloroform	ND		1	1.0	0.34	ug/L		12/12/16 21:01	1
Chloromethane	ND		1	1.0	0.35	ug/L		12/12/16 21:01	1
cis-1,2-Dichloroethene	ND		1	1.0	0.81	ug/L		12/12/16 21:01	1
cis-1,3-Dichloropropene	ND		1	1.0	0.36	ug/L		12/12/16 21:01	1
Ethylbenzene	ND		1	1.0	0.74	ug/L		12/12/16 21:01	1
Methylene Chloride	ND		1	1.0	0.44	ug/L		12/12/16 21:01	1
Styrene	ND		1	1.0	0.73	ug/L		12/12/16 21:01	1
Tetrachloroethene	ND		1	1.0	0.36	ug/L		12/12/16 21:01	1
Toluene	ND		1	1.0	0.51	ug/L		12/12/16 21:01	1
trans-1,2-Dichloroethene	ND		1	1.0	0.90	ug/L		12/12/16 21:01	1
trans-1,3-Dichloropropene	ND		1	1.0	0.37	ug/L		12/12/16 21:01	1
Trichloroethene	ND		1	1.0	0.46	ug/L		12/12/16 21:01	1
Vinyl chloride	ND		1	1.0	0.90	ug/L		12/12/16 21:01	1
Xylenes, Total	ND		1	2.0	0.66	ug/L		12/12/16 21:01	1

Surrogate	MB	MB	Dil Fac				
	%Recovery	Qualifier		Limits	Prepared	Analyzed	
1,2-Dichloroethane-d4 (Surr)	104		1	77 - 120		12/12/16 21:01	
Toluene-d8 (Surr)	101		1	80 - 120		12/12/16 21:01	
4-Bromofluorobenzene (Surr)	92		1	73 - 120		12/12/16 21:01	
Dibromofluoromethane (Surr)	106		1	75 - 123		12/12/16 21:01	

Lab Sample ID: LCS 480-336000/4

Matrix: Water

Analysis Batch: 336000

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Dil Fac	%Rec.	Limits
	Added	Result	Qualifier		Unit	
1,1,1-Trichloroethane	25.0	25.6		102	ug/L	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.8		103	ug/L	76 - 120

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
 SDG: 480-110777-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-336000/4

Matrix: Water

Analysis Batch: 336000

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike		LCS		Unit	D	%Rec	Limits	
	Added	Result	Qualifier						
1,1,2-Trichloroethane	25.0	25.5		ug/L		102	76 - 122		
1,1-Dichloroethane	25.0	24.7		ug/L		99	77 - 120		
1,1-Dichloroethene	25.0	24.8		ug/L		99	66 - 127		
1,2-Dichloroethane	25.0	22.0		ug/L		88	75 - 120		
1,2-Dichloropropane	25.0	25.2		ug/L		101	76 - 120		
2-Hexanone	125	112		ug/L		90	65 - 127		
2-Butanone (MEK)	125	115		ug/L		92	57 - 140		
4-Methyl-2-pentanone (MIBK)	125	111		ug/L		89	71 - 125		
Acetone	125	128		ug/L		102	56 - 142		
Benzene	25.0	24.6		ug/L		99	71 - 124		
Bromodichloromethane	25.0	24.0		ug/L		96	80 - 122		
Bromoform	25.0	27.1		ug/L		109	61 - 132		
Bromomethane	25.0	25.9		ug/L		103	55 - 144		
Carbon disulfide	25.0	23.5		ug/L		94	59 - 134		
Carbon tetrachloride	25.0	25.8		ug/L		103	72 - 134		
Chlorobenzene	25.0	24.5		ug/L		98	80 - 120		
Dibromochloromethane	25.0	25.9		ug/L		104	75 - 125		
Chloroethane	25.0	28.8		ug/L		115	69 - 136		
Chloroform	25.0	24.2		ug/L		97	73 - 127		
Chloromethane	25.0	22.5		ug/L		90	68 - 124		
cis-1,2-Dichloroethene	25.0	25.1		ug/L		100	74 - 124		
cis-1,3-Dichloropropene	25.0	24.6		ug/L		98	74 - 124		
Ethylbenzene	25.0	23.7		ug/L		95	77 - 123		
Methylene Chloride	25.0	23.0		ug/L		92	75 - 124		
Styrene	25.0	24.0		ug/L		96	80 - 120		
Tetrachloroethene	25.0	24.3		ug/L		97	74 - 122		
Toluene	25.0	24.7		ug/L		99	80 - 122		
trans-1,2-Dichloroethene	25.0	24.4		ug/L		98	73 - 127		
trans-1,3-Dichloropropene	25.0	25.0		ug/L		100	80 - 120		
Trichloroethene	25.0	23.7		ug/L		95	74 - 123		
Vinyl chloride	25.0	26.6		ug/L		106	65 - 133		
Xylenes, Total	50.0	46.8		ug/L		94	76 - 122		

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Sur)	99		77 - 120
Toluene-d8 (Sur)	106		80 - 120
4-Bromofluorobenzene (Sur)	97		73 - 120
Dibromofluoromethane (Sur)	104		75 - 123

Lab Sample ID: 480-110777-6 MS

Matrix: Water

Analysis Batch: 336000

Client Sample ID: AF-11D-120716
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
1,1,1-Trichloroethane	ND		25.0	24.3		ug/L		97	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	25.5		ug/L		102	76 - 120
1,1,2-Trichloroethane	ND		25.0	24.8		ug/L		99	76 - 122
1,1-Dichloroethane	ND		25.0	22.9		ug/L		92	77 - 120

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
 SDG: 480-110777-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-110777-6 MS

Matrix: Water

Analysis Batch: 336000

Client Sample ID: AF-11D-120716

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec.	%Limits
	Result	Qualifier	Added	Result	Qualifier				
1,1-Dichloroethene	ND		25.0	24.2		ug/L		97	66 - 127
1,2-Dichloroethane	ND		25.0	20.9		ug/L		84	75 - 120
1,2-Dichloropropane	ND		25.0	23.5		ug/L		94	76 - 120
2-Hexanone	ND		125	111		ug/L		88	65 - 127
2-Butanone (MEK)	ND		125	110		ug/L		88	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	115		ug/L		92	71 - 125
Acetone	3.8	J	125	103		ug/L		79	56 - 142
Benzene	ND		25.0	23.1		ug/L		92	71 - 124
Bromodichloromethane	ND		25.0	22.5		ug/L		90	80 - 122
Bromoform	ND		25.0	24.5		ug/L		98	61 - 132
Bromomethane	ND		25.0	28.1		ug/L		113	55 - 144
Carbon disulfide	ND		25.0	21.2		ug/L		85	59 - 134
Carbon tetrachloride	ND		25.0	24.1		ug/L		96	72 - 134
Chlorobenzene	ND		25.0	23.0		ug/L		92	80 - 120
Dibromochloromethane	ND		25.0	24.5		ug/L		98	75 - 125
Chloroethane	ND		25.0	32.7		ug/L		131	69 - 136
Chloroform	ND		25.0	22.3		ug/L		89	73 - 127
Chloromethane	ND		25.0	26.4		ug/L		106	68 - 124
cis-1,2-Dichloroethene	1.1		25.0	25.0		ug/L		96	74 - 124
cis-1,3-Dichloropropene	ND		25.0	22.0		ug/L		88	74 - 124
Ethylbenzene	ND		25.0	22.2		ug/L		89	77 - 123
Methylene Chloride	ND		25.0	22.6		ug/L		90	75 - 124
Styrene	ND		25.0	22.7		ug/L		91	80 - 120
Tetrachloroethene	ND		25.0	22.9		ug/L		91	74 - 122
Toluene	ND		25.0	23.1		ug/L		92	80 - 122
trans-1,2-Dichloroethene	ND		25.0	23.9		ug/L		96	73 - 127
trans-1,3-Dichloropropene	ND		25.0	23.3		ug/L		93	80 - 120
Trichloroethene	ND		25.0	22.3		ug/L		89	74 - 123
Vinyl chloride	ND		25.0	30.8		ug/L		123	65 - 133
Xylenes, Total	ND		50.0	43.2		ug/L		86	76 - 122

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	99		77 - 120
Toluene-d8 (Surr)	106		80 - 120
4-Bromofluorobenzene (Surr)	96		73 - 120
Dibromofluoromethane (Surr)	101		75 - 123

Lab Sample ID: 480-110777-6 MSD

Matrix: Water

Analysis Batch: 336000

Client Sample ID: AF-11D-120716

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
1,1,1-Trichloroethane	ND		25.0	27.6		ug/L		110	73 - 126	13	15
1,1,2,2-Tetrachloroethane	ND		25.0	27.0		ug/L		108	76 - 120	5	15
1,1,2-Trichloroethane	ND		25.0	26.5		ug/L		106	76 - 122	7	15
1,1-Dichloroethane	ND		25.0	26.1		ug/L		104	77 - 120	13	20
1,1-Dichloroethene	ND		25.0	26.8		ug/L		107	66 - 127	10	16
1,2-Dichloroethane	ND		25.0	22.8		ug/L		91	75 - 120	9	20

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
 SDG: 480-110777-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-110777-6 MSD

Matrix: Water

Analysis Batch: 336000

Client Sample ID: AF-11D-120716

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						
1,2-Dichloropropane	ND		25.0	26.5		ug/L		106	76 - 120	12	20
2-Hexanone	ND		125	115		ug/L		92	65 - 127	4	15
2-Butanone (MEK)	ND		125	119		ug/L		95	57 - 140	8	20
4-Methyl-2-pentanone (MIBK)	ND		125	117		ug/L		94	71 - 125	2	35
Acetone	3.8	J	125	105		ug/L		81	56 - 142	2	15
Benzene	ND		25.0	26.3		ug/L		105	71 - 124	13	13
Bromodichloromethane	ND		25.0	25.2		ug/L		101	80 - 122	11	15
Bromoform	ND		25.0	26.0		ug/L		104	61 - 132	6	15
Bromomethane	ND		25.0	27.9		ug/L		112	55 - 144	1	15
Carbon disulfide	ND		25.0	24.1		ug/L		96	59 - 134	13	15
Carbon tetrachloride	ND		25.0	27.8		ug/L		111	72 - 134	14	15
Chlorobenzene	ND		25.0	25.0		ug/L		100	80 - 120	8	25
Dibromochloromethane	ND		25.0	25.7		ug/L		103	75 - 125	5	15
Chloroethane	ND		25.0	32.7		ug/L		131	69 - 136	0	15
Chloroform	ND		25.0	25.1		ug/L		100	73 - 127	12	20
Chloromethane	ND		25.0	25.5		ug/L		102	68 - 124	3	15
cis-1,2-Dichloroethene	1.1		25.0	28.1		ug/L		108	74 - 124	11	15
cis-1,3-Dichloropropene	ND		25.0	24.5		ug/L		98	74 - 124	11	15
Ethylbenzene	ND		25.0	25.0		ug/L		100	77 - 123	12	15
Methylene Chloride	ND		25.0	24.3		ug/L		97	75 - 124	7	15
Styrene	ND		25.0	24.9		ug/L		99	80 - 120	9	20
Tetrachloroethene	ND		25.0	26.6		ug/L		106	74 - 122	15	20
Toluene	ND		25.0	25.8		ug/L		103	80 - 122	11	15
trans-1,2-Dichloroethene	ND		25.0	27.0		ug/L		108	73 - 127	12	20
trans-1,3-Dichloropropene	ND		25.0	24.8		ug/L		99	80 - 120	6	15
Trichloroethene	ND		25.0	25.7		ug/L		103	74 - 123	14	16
Vinyl chloride	ND		25.0	30.8		ug/L		123	65 - 133	0	15
Xylenes, Total	ND		50.0	48.2		ug/L		96	76 - 122	11	16

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		77 - 120
Toluene-d8 (Surr)	104		80 - 120
4-Bromofluorobenzene (Surr)	94		73 - 120
Dibromofluoromethane (Surr)	100		75 - 123

Lab Sample ID: MB 480-336071/6

Matrix: Water

Analysis Batch: 336071

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/13/16 10:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/13/16 10:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/13/16 10:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/13/16 10:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/13/16 10:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/13/16 10:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/13/16 10:28	1
2-Hexanone	ND		5.0	1.2	ug/L			12/13/16 10:28	1

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
 SDG: 480-110777-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-336071/6

Matrix: Water

Analysis Batch: 336071

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier									
2-Butanone (MEK)	ND				10	1.3	ug/L			12/13/16 10:28	1
4-Methyl-2-pentanone (MIBK)	ND				5.0	2.1	ug/L			12/13/16 10:28	1
Acetone	ND				10	3.0	ug/L			12/13/16 10:28	1
Benzene	ND				1.0	0.41	ug/L			12/13/16 10:28	1
Bromodichloromethane	ND				1.0	0.39	ug/L			12/13/16 10:28	1
Bromoform	ND				1.0	0.26	ug/L			12/13/16 10:28	1
Bromomethane	ND				1.0	0.69	ug/L			12/13/16 10:28	1
Carbon disulfide	ND				1.0	0.19	ug/L			12/13/16 10:28	1
Carbon tetrachloride	ND				1.0	0.27	ug/L			12/13/16 10:28	1
Chlorobenzene	ND				1.0	0.75	ug/L			12/13/16 10:28	1
Dibromochloromethane	ND				1.0	0.32	ug/L			12/13/16 10:28	1
Chloroethane	ND				1.0	0.32	ug/L			12/13/16 10:28	1
Chloroform	ND				1.0	0.34	ug/L			12/13/16 10:28	1
Chloromethane	ND				1.0	0.35	ug/L			12/13/16 10:28	1
cis-1,2-Dichloroethene	ND				1.0	0.81	ug/L			12/13/16 10:28	1
cis-1,3-Dichloropropene	ND				1.0	0.36	ug/L			12/13/16 10:28	1
Ethylbenzene	ND				1.0	0.74	ug/L			12/13/16 10:28	1
Methylene Chloride	ND				1.0	0.44	ug/L			12/13/16 10:28	1
Styrene	ND				1.0	0.73	ug/L			12/13/16 10:28	1
Tetrachloroethene	ND				1.0	0.36	ug/L			12/13/16 10:28	1
Toluene	ND				1.0	0.51	ug/L			12/13/16 10:28	1
trans-1,2-Dichloroethene	ND				1.0	0.90	ug/L			12/13/16 10:28	1
trans-1,3-Dichloropropene	ND				1.0	0.37	ug/L			12/13/16 10:28	1
Trichloroethene	ND				1.0	0.46	ug/L			12/13/16 10:28	1
Vinyl chloride	ND				1.0	0.90	ug/L			12/13/16 10:28	1
Xylenes, Total	ND				2.0	0.66	ug/L			12/13/16 10:28	1

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,2-Dichloroethane-d4 (Surr)	102		102		77 - 120		12/13/16 10:28	1
Toluene-d8 (Surr)	102				80 - 120		12/13/16 10:28	1
4-Bromofluorobenzene (Surr)	91				73 - 120		12/13/16 10:28	1
Dibromofluoromethane (Surr)	105				75 - 123		12/13/16 10:28	1

Lab Sample ID: LCS 480-336071/4

Matrix: Water

Analysis Batch: 336071

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS			Unit	D	%Rec	Limits
		Result	Qualifier					
1,1,1-Trichloroethane	25.0	25.3			ug/L		101	73 - 126
1,1,2,2-Tetrachloroethane	25.0	28.7			ug/L		115	76 - 120
1,1,2-Trichloroethane	25.0	25.9			ug/L		104	76 - 122
1,1-Dichloroethane	25.0	24.9			ug/L		100	77 - 120
1,1-Dichloroethene	25.0	24.9			ug/L		99	66 - 127
1,2-Dichloroethane	25.0	22.6			ug/L		90	75 - 120
1,2-Dichloropropane	25.0	25.8			ug/L		103	76 - 120
2-Hexanone	125	114			ug/L		91	65 - 127
2-Butanone (MEK)	125	124			ug/L		99	57 - 140
4-Methyl-2-pentanone (MIBK)	125	112			ug/L		90	71 - 125

TestAmerica Buffalo

QC Sample Results

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
 SDG: 480-110777-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-336071/4

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 336071

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec.
		Result	Qualifier				
Acetone	125	137		ug/L		110	56 - 142
Benzene	25.0	25.2		ug/L		101	71 - 124
Bromodichloromethane	25.0	24.7		ug/L		99	80 - 122
Bromoform	25.0	26.5		ug/L		106	61 - 132
Bromomethane	25.0	22.4		ug/L		90	55 - 144
Carbon disulfide	25.0	23.4		ug/L		93	59 - 134
Carbon tetrachloride	25.0	25.4		ug/L		102	72 - 134
Chlorobenzene	25.0	24.9		ug/L		100	80 - 120
Dibromochloromethane	25.0	25.6		ug/L		103	75 - 125
Chloroethane	25.0	28.9		ug/L		116	69 - 136
Chloroform	25.0	24.6		ug/L		98	73 - 127
Chloromethane	25.0	22.0		ug/L		88	68 - 124
cis-1,2-Dichloroethene	25.0	25.8		ug/L		103	74 - 124
cis-1,3-Dichloropropene	25.0	25.2		ug/L		101	74 - 124
Ethylbenzene	25.0	24.0		ug/L		96	77 - 123
Methylene Chloride	25.0	23.8		ug/L		95	75 - 124
Styrene	25.0	24.2		ug/L		97	80 - 120
Tetrachloroethene	25.0	24.7		ug/L		99	74 - 122
Toluene	25.0	24.7		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	25.5		ug/L		102	73 - 127
trans-1,3-Dichloropropene	25.0	25.3		ug/L		101	80 - 120
Trichloroethene	25.0	24.7		ug/L		99	74 - 123
Vinyl chloride	25.0	26.1		ug/L		104	65 - 133
Xylenes, Total	50.0	46.8		ug/L		94	76 - 122

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	99		77 - 120
Toluene-d8 (Surr)	104		80 - 120
4-Bromofluorobenzene (Surr)	96		73 - 120
Dibromofluoromethane (Surr)	102		75 - 123

QC Association Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
 SDG: 480-110777-1

GC/MS VOA

Analysis Batch: 336000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110777-1	PMW-2D-120716	Total/NA	Water	8260C	
480-110777-2	AF-19D-120716	Total/NA	Water	8260C	
480-110777-3	PMW-3D-120716	Total/NA	Water	8260C	
480-110777-4	OSMW-10D-120716	Total/NA	Water	8260C	
480-110777-5	PMW-4D-120716	Total/NA	Water	8260C	
480-110777-6	AF-11D-120716	Total/NA	Water	8260C	
480-110777-7	OSMW-9D-120716	Total/NA	Water	8260C	
480-110777-8	OSMW-9SR-120716	Total/NA	Water	8260C	
480-110777-9	DUP-01-120716	Total/NA	Water	8260C	
480-110777-10	OSMW-11D-120716	Total/NA	Water	8260C	
480-110777-11	TRIP BLANK-120716	Total/NA	Water	8260C	
MB 480-336000/6	Method Blank	Total/NA	Water	8260C	
LCS 480-336000/4	Lab Control Sample	Total/NA	Water	8260C	
480-110777-6 MS	AF-11D-120716	Total/NA	Water	8260C	
480-110777-6 MSD	AF-11D-120716	Total/NA	Water	8260C	

Analysis Batch: 336071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110777-10 - DL	OSMW-11D-120716	Total/NA	Water	8260C	
MB 480-336071/6	Method Blank	Total/NA	Water	8260C	
LCS 480-336071/4	Lab Control Sample	Total/NA	Water	8260C	

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
SDG: 480-110777-1

Client Sample ID: PMW-2D-120716

Date Collected: 12/07/16 11:37

Date Received: 12/08/16 09:45

Lab Sample ID: 480-110777-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336000	12/12/16 21:34	LCH	TAL BUF

Client Sample ID: AF-19D-120716

Date Collected: 12/07/16 12:45

Date Received: 12/08/16 09:45

Lab Sample ID: 480-110777-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336000	12/12/16 21:58	LCH	TAL BUF

Client Sample ID: PMW-3D-120716

Date Collected: 12/07/16 13:32

Date Received: 12/08/16 09:45

Lab Sample ID: 480-110777-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336000	12/12/16 22:21	LCH	TAL BUF

Client Sample ID: OSMW-10D-120716

Date Collected: 12/07/16 13:45

Date Received: 12/08/16 09:45

Lab Sample ID: 480-110777-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336000	12/12/16 22:44	LCH	TAL BUF

Client Sample ID: PMW-4D-120716

Date Collected: 12/07/16 14:20

Date Received: 12/08/16 09:45

Lab Sample ID: 480-110777-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336000	12/12/16 23:07	LCH	TAL BUF

Client Sample ID: AF-11D-120716

Date Collected: 12/07/16 14:35

Date Received: 12/08/16 09:45

Lab Sample ID: 480-110777-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336000	12/12/16 23:30	LCH	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
 SDG: 480-110777-1

Client Sample ID: OSMW-9D-120716

Date Collected: 12/07/16 15:05
 Date Received: 12/08/16 09:45

Lab Sample ID: 480-110777-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336000	12/12/16 23:53	LCH	TAL BUF

Client Sample ID: OSMW-9SR-120716

Date Collected: 12/07/16 14:58
 Date Received: 12/08/16 09:45

Lab Sample ID: 480-110777-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336000	12/13/16 00:16	LCH	TAL BUF

Client Sample ID: DUP-01-120716

Date Collected: 12/07/16 14:00
 Date Received: 12/08/16 09:45

Lab Sample ID: 480-110777-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336000	12/13/16 00:39	LCH	TAL BUF

Client Sample ID: OSMW-11D-120716

Date Collected: 12/07/16 15:30
 Date Received: 12/08/16 09:45

Lab Sample ID: 480-110777-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336000	12/13/16 01:03	LCH	TAL BUF
Total/NA	Analysis	8260C	DL	4	336071	12/13/16 17:50	SWO	TAL BUF

Client Sample ID: TRIP BLANK-120716

Date Collected: 12/07/16 00:00
 Date Received: 12/08/16 09:45

Lab Sample ID: 480-110777-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	336000	12/13/16 01:26	LCH	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TestAmerica Buffalo

Certification Summary

Client: O'Brien & Gere Inc of North America
 Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
 SDG: 480-110777-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17
Georgia	State Program	4	956	03-31-17
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-17 *
Kansas	NELAP	7	E-10187	11-30-16 *
Kentucky (DW)	State Program	4	90029	12-31-16 *
Kentucky (UST)	State Program	4	30	03-31-17
Kentucky (WW)	State Program	4	90029	12-31-16 *
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-18
Maryland	State Program	3	294	03-31-17
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17
Minnesota	NELAP	5	036-999-337	12-31-16 *
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-17
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17
North Dakota	State Program	8	R-176	03-31-17
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-16 *
Tennessee	State Program	4	TN02970	03-31-17
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-17 *
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

TestAmerica Buffalo

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
SDG: 480-110777-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-110777-1
SDG: 480-110777-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-110777-1	PMW-2D-120716	Water	12/07/16 11:37	12/08/16 09:45
480-110777-2	AF-19D-120716	Water	12/07/16 12:45	12/08/16 09:45
480-110777-3	PMW-3D-120716	Water	12/07/16 13:32	12/08/16 09:45
480-110777-4	OSMW-10D-120716	Water	12/07/16 13:45	12/08/16 09:45
480-110777-5	PMW-4D-120716	Water	12/07/16 14:20	12/08/16 09:45
480-110777-6	AF-11D-120716	Water	12/07/16 14:35	12/08/16 09:45
480-110777-7	OSMW-9D-120716	Water	12/07/16 15:05	12/08/16 09:45
480-110777-8	OSMW-9SR-120716	Water	12/07/16 14:58	12/08/16 09:45
480-110777-9	DUP-01-120716	Water	12/07/16 14:00	12/08/16 09:45
480-110777-10	OSMW-11D-120716	Water	12/07/16 15:30	12/08/16 09:45
480-110777-11	TRIP BLANK-120716	Water	12/07/16 00:00	12/08/16 09:45

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7891

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client Information		Sample ID: <u>1111111111111111</u>	Lab P/M: Johnson, Orlette S	Carrier Tracking No(s): <u>FEDEx 89947219237</u>																																																												
Client Contact	Chase Foman	Phone: <u>(513) 697-2020</u>	E-Mail: <u>orlette.johnson@testamericainc.com</u>	COC No: <u>480-89947219237</u>																																																												
Company	O'Brien & Gere Inc of North America	Address:	8805 Governor's Hill Dr. Ste. 164	Page: <u>1 of 1</u>																																																												
Address:	8805 Governor's Hill Dr. Ste. 164	TAT Requested (days):	<u>14 days</u>	Job #:																																																												
City:	Cincinnati	PO #:	<u>11600088</u>	Total Number of Contaminants:																																																												
State, Zip:	OH, 45249	VO #: <u>62574</u>	100	A - HCl																																																												
Phone:	513-697-2035(Tel)	Project #: <u>6203453</u>	1-100	B - NF																																																												
Email:	chase.foman@obg.com	SSOW#:	1-1000	C - Zn																																																												
Project Name:	GE - Evendale, OH site		1-10000	D - Ni																																																												
Site:	Ohio		1-100000	E - NiA																																																												
			1-1000000	F - MeK																																																												
			1-10000000	G - Am																																																												
			1-100000000	H - AsCl																																																												
			1-1000000000	I - DiWi																																																												
			1-10000000000	J - pH 4-5																																																												
			1-100000000000	K - EDTA																																																												
			1-1000000000000	L - EDA																																																												
			1-10000000000000	Z - other (specify)																																																												
			Other:																																																													
Analysis Requested																																																																
<input checked="" type="checkbox"/> Preservation Codes: 																																																																
<input checked="" type="checkbox"/> Total VOCs/TCL - OLM042 List <input checked="" type="checkbox"/> Petrofom MS/MSD (yes or no) <input checked="" type="checkbox"/> Field Filtered Sample (yes or no) <input checked="" type="checkbox"/> 8260C - VOCs TCL - OLM042 List																																																																
Sample Identification <table border="1"> <thead> <tr> <th>Sample Identification</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=comp, G=grab)</th> <th>Matrix (Water, Solid, Gaseous, Air)</th> </tr> </thead> <tbody> <tr> <td>PMW-3D-120716</td> <td>12/7/16</td> <td>11:37</td> <td>G</td> <td>Water</td> </tr> <tr> <td>AF-10D-120716</td> <td>12/4/16</td> <td>1</td> <td>G</td> <td>Water</td> </tr> <tr> <td>PMW-3D-120716</td> <td>12/3/16</td> <td>1</td> <td>G</td> <td>Water</td> </tr> <tr> <td>OSMW-4D-120716</td> <td>12/3/16</td> <td>1</td> <td>G</td> <td>Water</td> </tr> <tr> <td>PMW-4D-120716</td> <td>12/3/16</td> <td>1</td> <td>G</td> <td>Water</td> </tr> <tr> <td>AF-11D-120716</td> <td>12/3/16</td> <td>1</td> <td>G</td> <td>Water</td> </tr> <tr> <td>OSMW-9D-120716</td> <td>12/3/16</td> <td>1</td> <td>G</td> <td>Water</td> </tr> <tr> <td>OSMW-9SR-120716</td> <td>12/3/16</td> <td>1</td> <td>G</td> <td>Water</td> </tr> <tr> <td>DU P-01-120716</td> <td>12/3/16</td> <td>1</td> <td>G</td> <td>Water</td> </tr> <tr> <td>OSMW-11D-120716</td> <td>12/3/16</td> <td>1</td> <td>G</td> <td>Water</td> </tr> <tr> <td>TRIP BLANK - 120716</td> <td>12/7/16</td> <td>1</td> <td>G</td> <td>Water</td> </tr> </tbody> </table>					Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Solid, Gaseous, Air)	PMW-3D-120716	12/7/16	11:37	G	Water	AF-10D-120716	12/4/16	1	G	Water	PMW-3D-120716	12/3/16	1	G	Water	OSMW-4D-120716	12/3/16	1	G	Water	PMW-4D-120716	12/3/16	1	G	Water	AF-11D-120716	12/3/16	1	G	Water	OSMW-9D-120716	12/3/16	1	G	Water	OSMW-9SR-120716	12/3/16	1	G	Water	DU P-01-120716	12/3/16	1	G	Water	OSMW-11D-120716	12/3/16	1	G	Water	TRIP BLANK - 120716	12/7/16	1	G	Water
Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Solid, Gaseous, Air)																																																												
PMW-3D-120716	12/7/16	11:37	G	Water																																																												
AF-10D-120716	12/4/16	1	G	Water																																																												
PMW-3D-120716	12/3/16	1	G	Water																																																												
OSMW-4D-120716	12/3/16	1	G	Water																																																												
PMW-4D-120716	12/3/16	1	G	Water																																																												
AF-11D-120716	12/3/16	1	G	Water																																																												
OSMW-9D-120716	12/3/16	1	G	Water																																																												
OSMW-9SR-120716	12/3/16	1	G	Water																																																												
DU P-01-120716	12/3/16	1	G	Water																																																												
OSMW-11D-120716	12/3/16	1	G	Water																																																												
TRIP BLANK - 120716	12/7/16	1	G	Water																																																												
Special Instructions/Note: <input checked="" type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Archive For Months: <u>1</u> <input checked="" type="checkbox"/> Method of Shipment: <u>Ground</u>																																																																
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison A <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological																																																																
Deliverable Requested: I, II, III, IV, Other (specify) <u>O</u>																																																																
Empty Kit Relinquished by:	<u>Orlette Johnson</u>	Date/Time: <u>12/7/16</u>	Company: <u>OSG</u>	Received by: <u>Orlette Johnson</u>																																																												
Relinquished by:	<u>Orlette Johnson</u>	Date/Time: <u>12/7/16</u>	Company: <u>OSG</u>	Received by: <u>Orlette Johnson</u>																																																												
Relinquished by:	<u>Orlette Johnson</u>	Date/Time: <u>12/7/16</u>	Company: <u>OSG</u>	Received by: <u>Orlette Johnson</u>																																																												
Custody Seals Intact	<input checked="" type="checkbox"/>	Custody Seal No.: <u>2447</u>	Cooler, Temperature(s): °C and Other Remarks: <u>2447</u>																																																													
△ Yes △ No																																																																

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America
 Job Number: 480-110777-1
 SDG Number: 480-110777-1

Login Number: 110777

List Number: 1

Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

**Appendix C – Field
Parameters and Total VOC
Concentration Plots for
Select Monitoring Wells**

Figure C-1. DO, ORP, pH

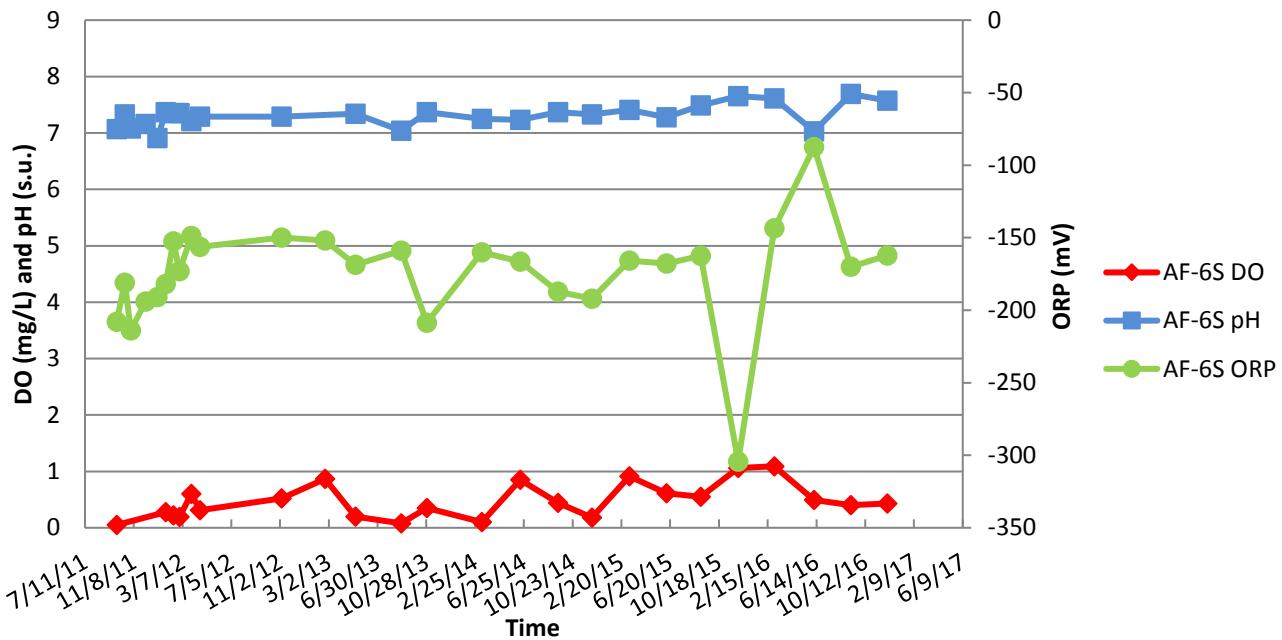


Figure C-1. Total VOCs

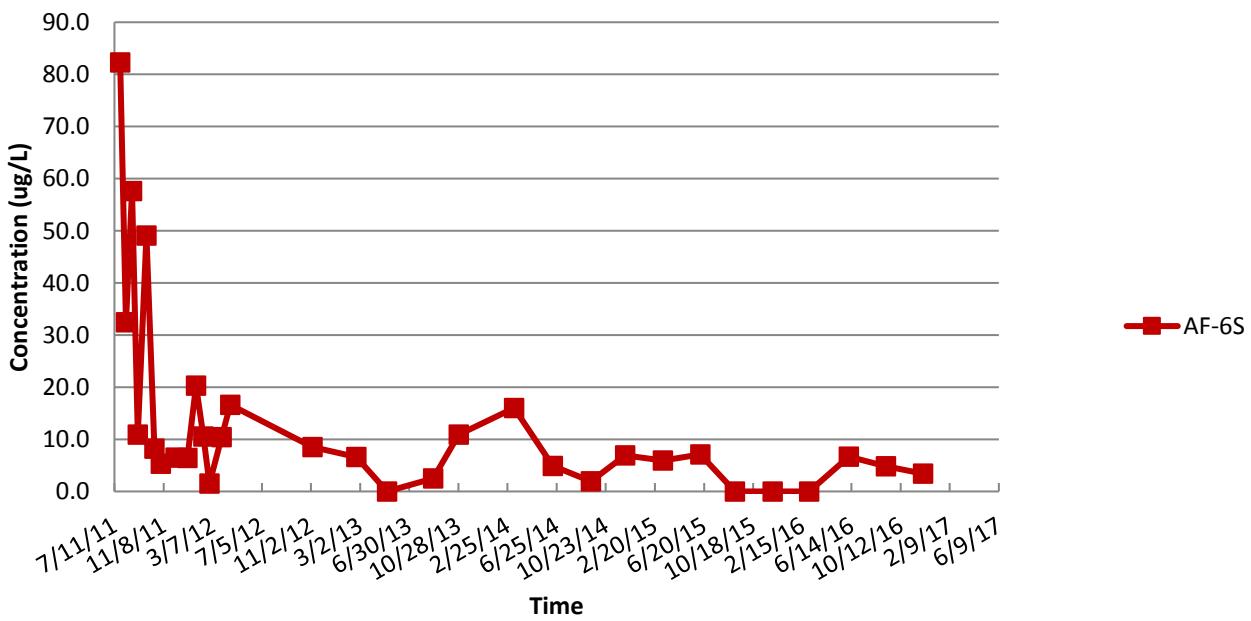


Figure C-2. DO, ORP, pH

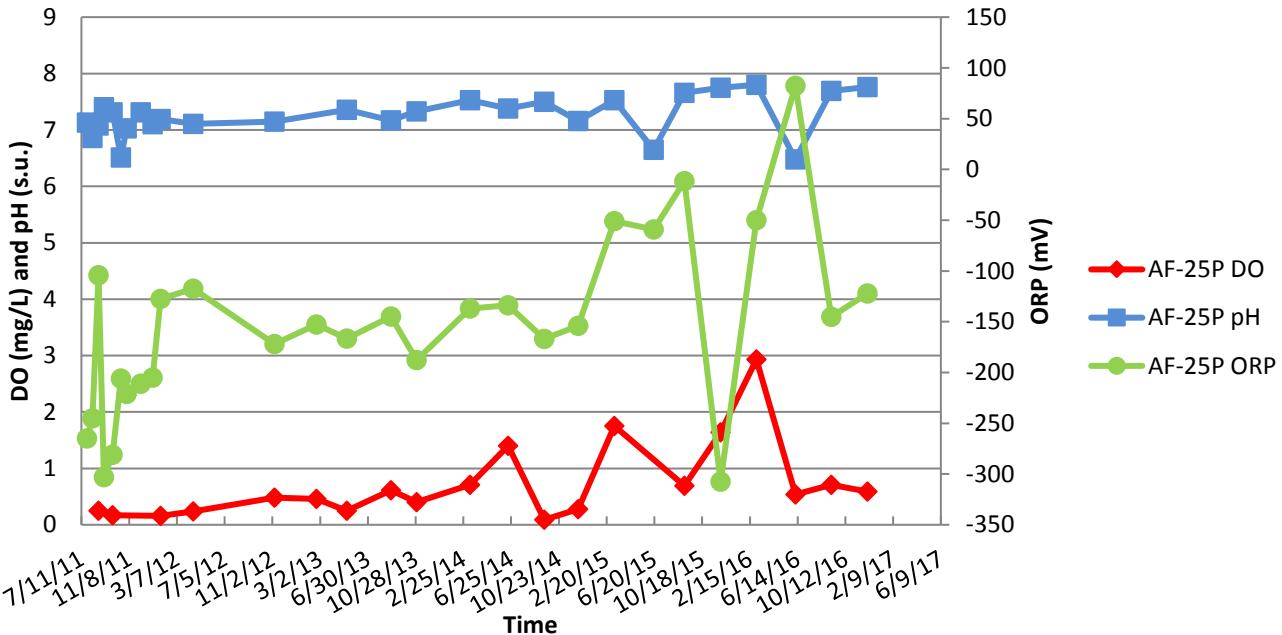


Figure C-2. Total VOCs

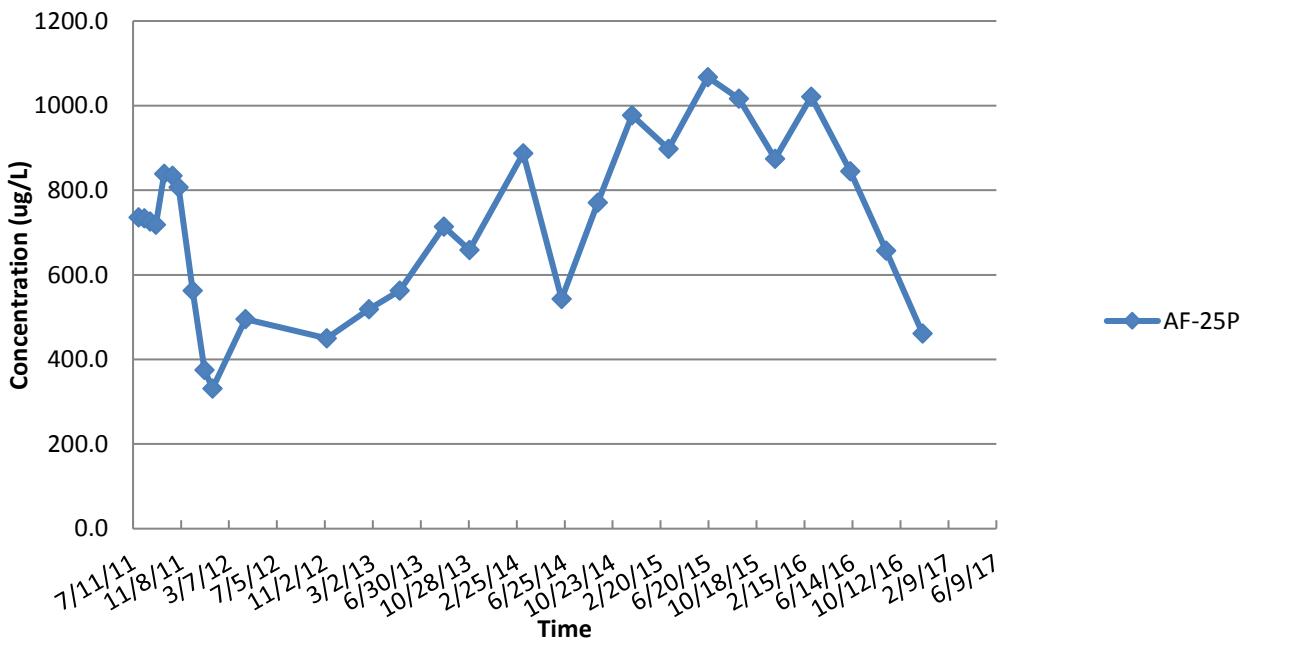


Figure C-3. DO, ORP, pH

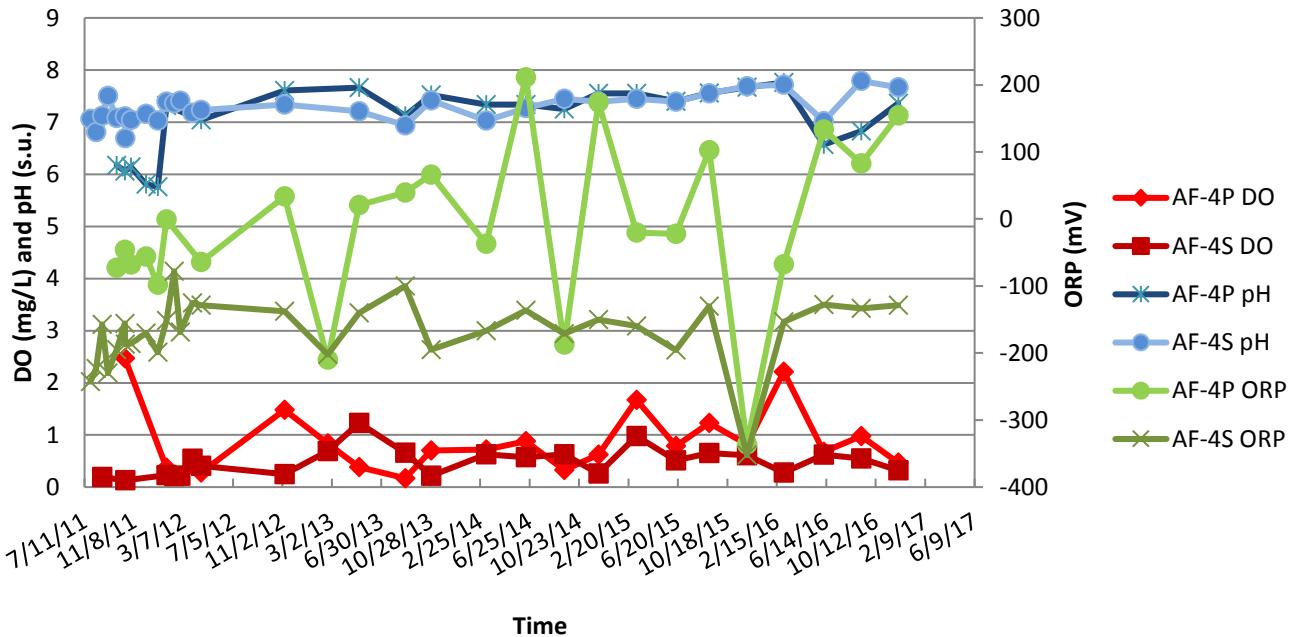


Figure C-3. Total VOCs

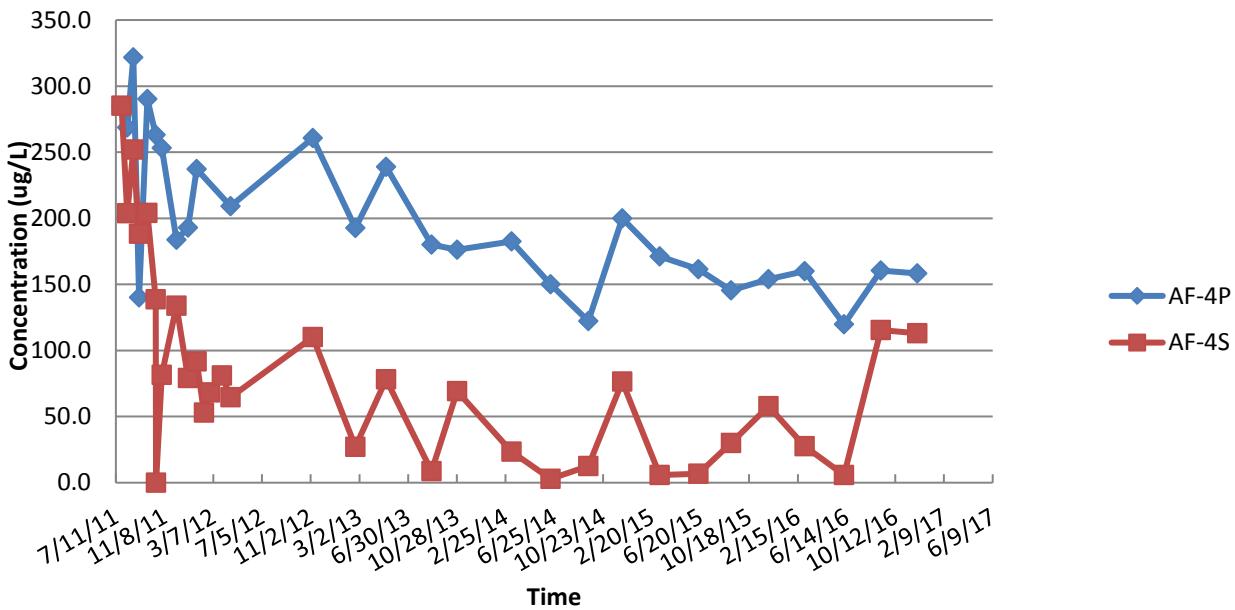


Figure C-4. DO, ORP, pH

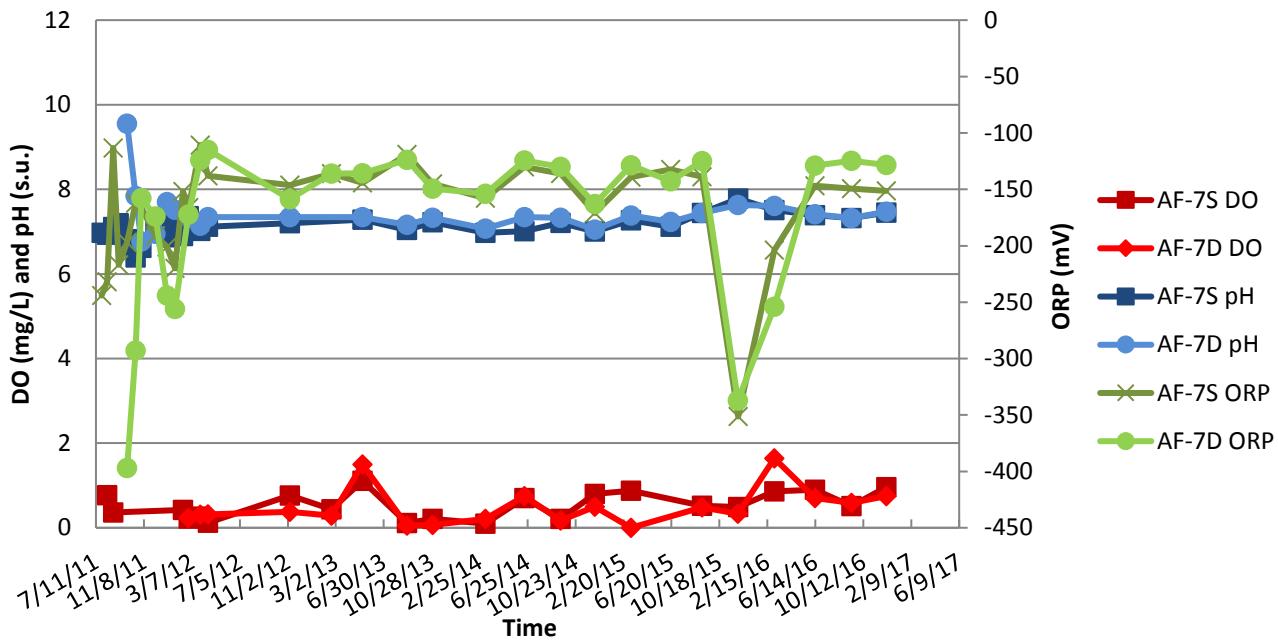


Figure C-4. Total VOCs

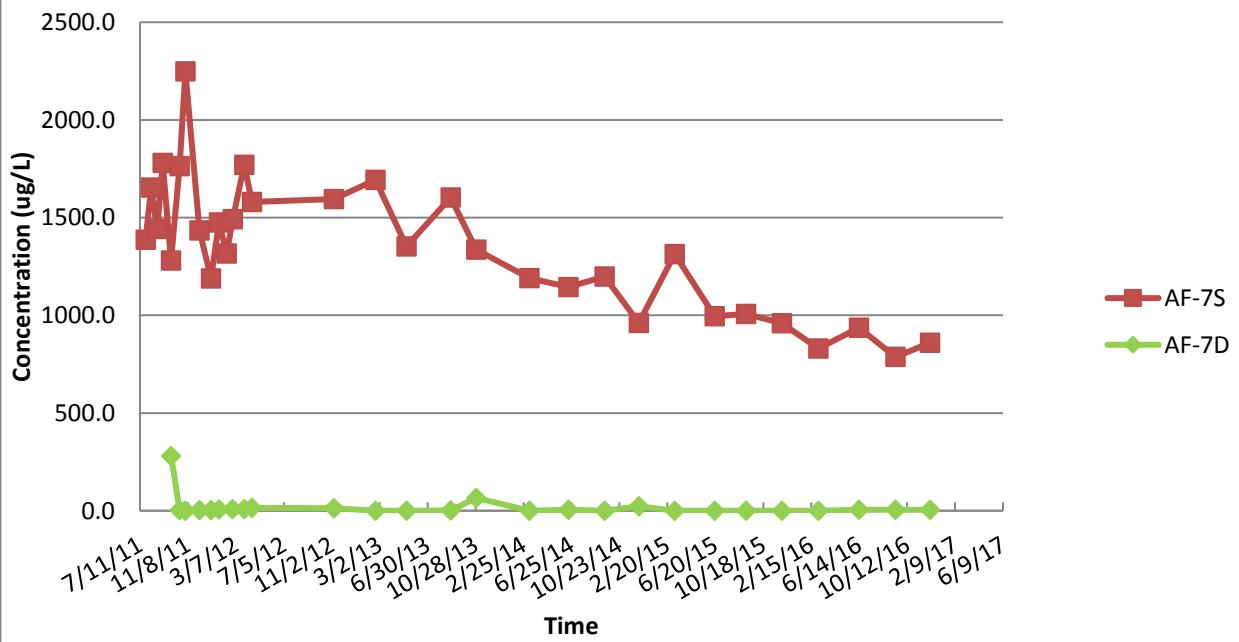


Figure C-5. DO, ORP, pH

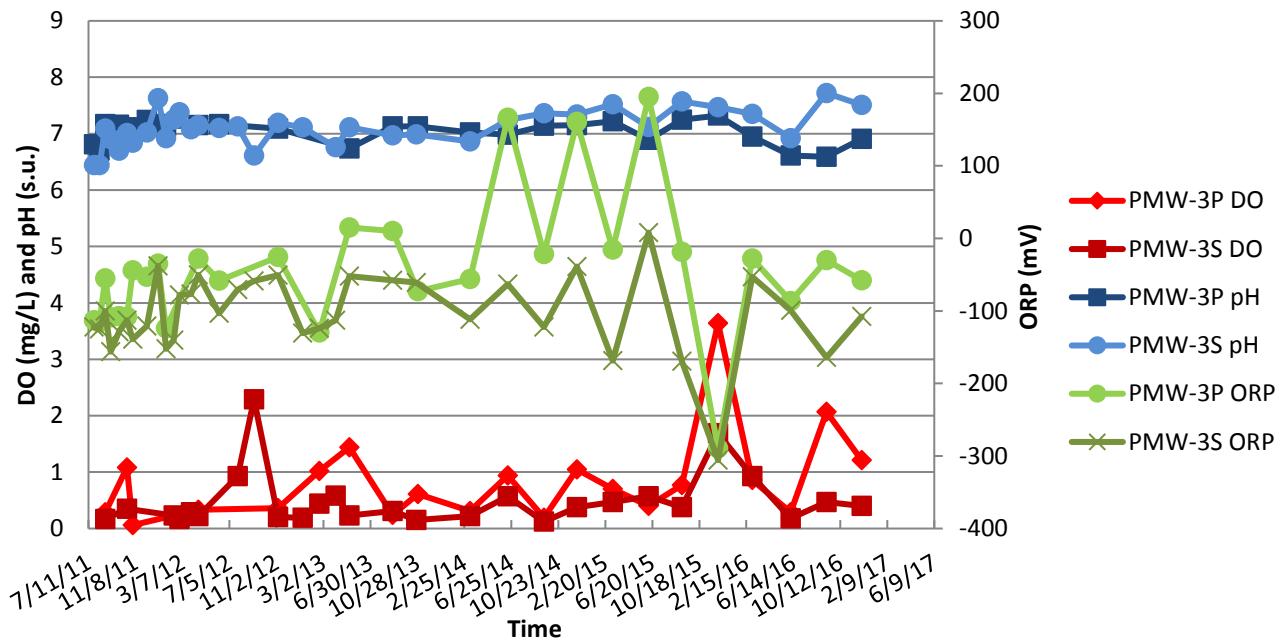


Figure C-5. Total VOCs

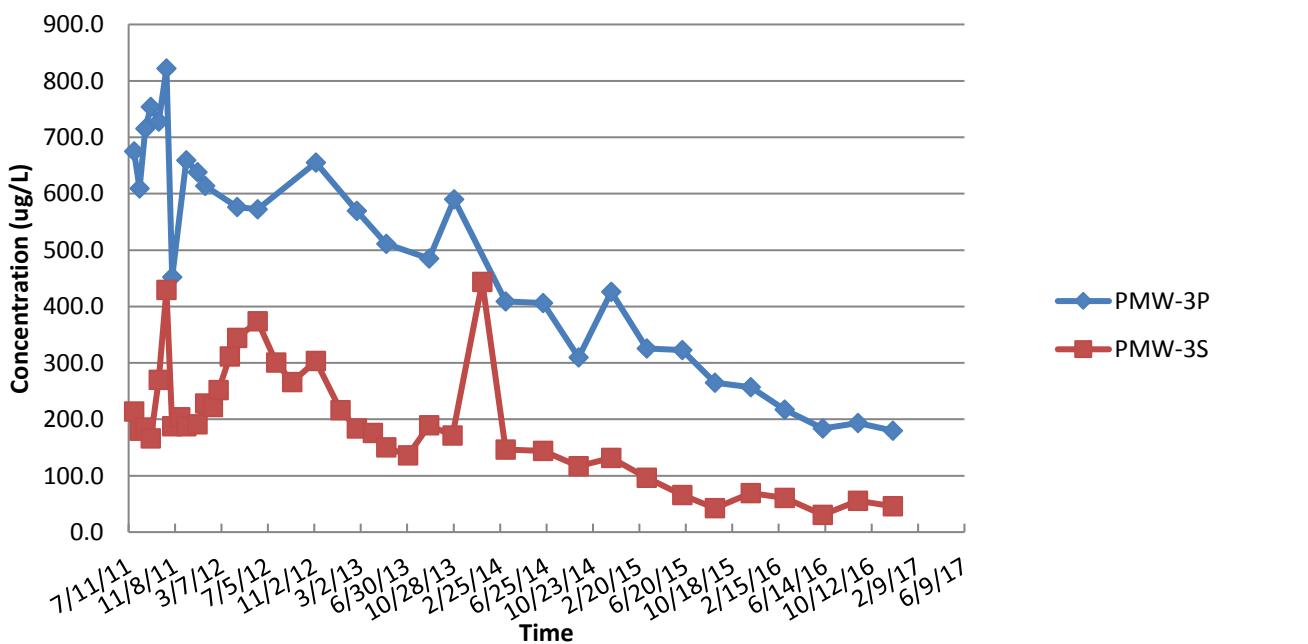


Figure C-6. DO, ORP, pH

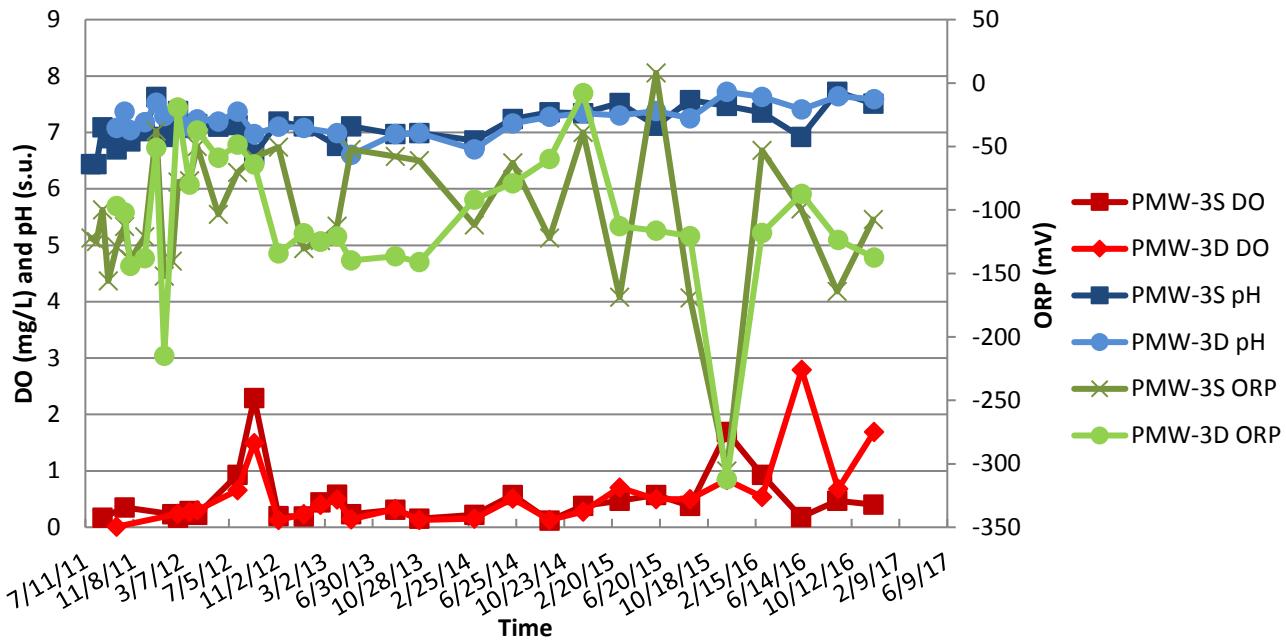


Figure C-7. DO, ORP, pH

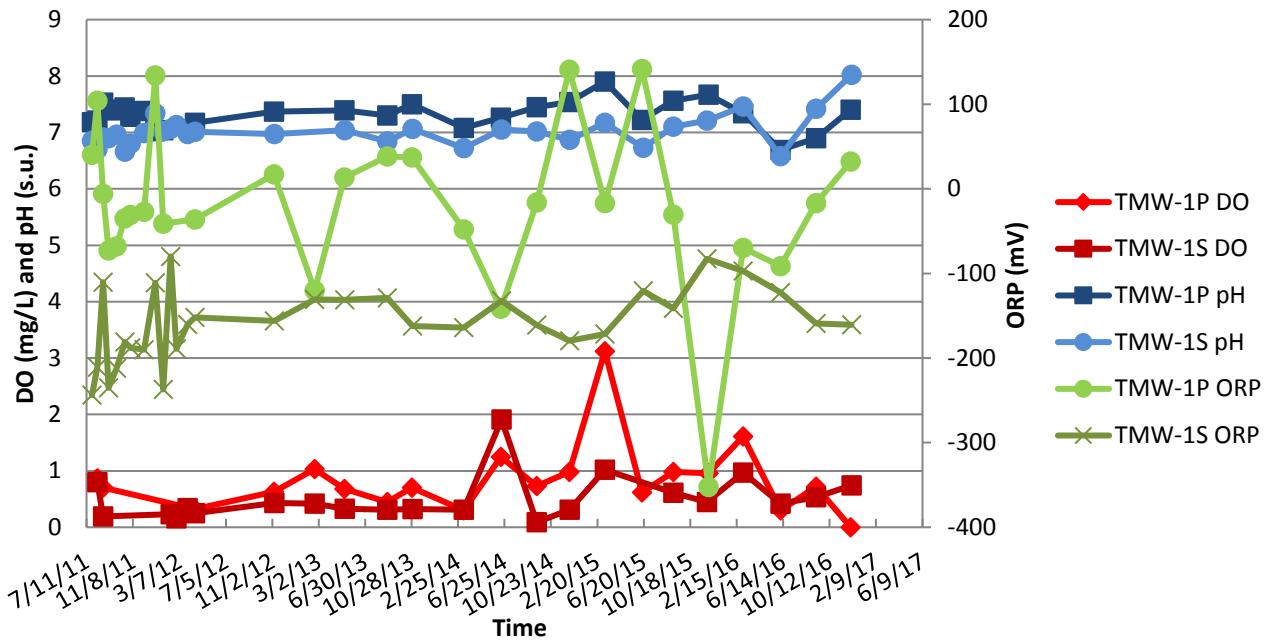


Figure C-7. Total VOCs

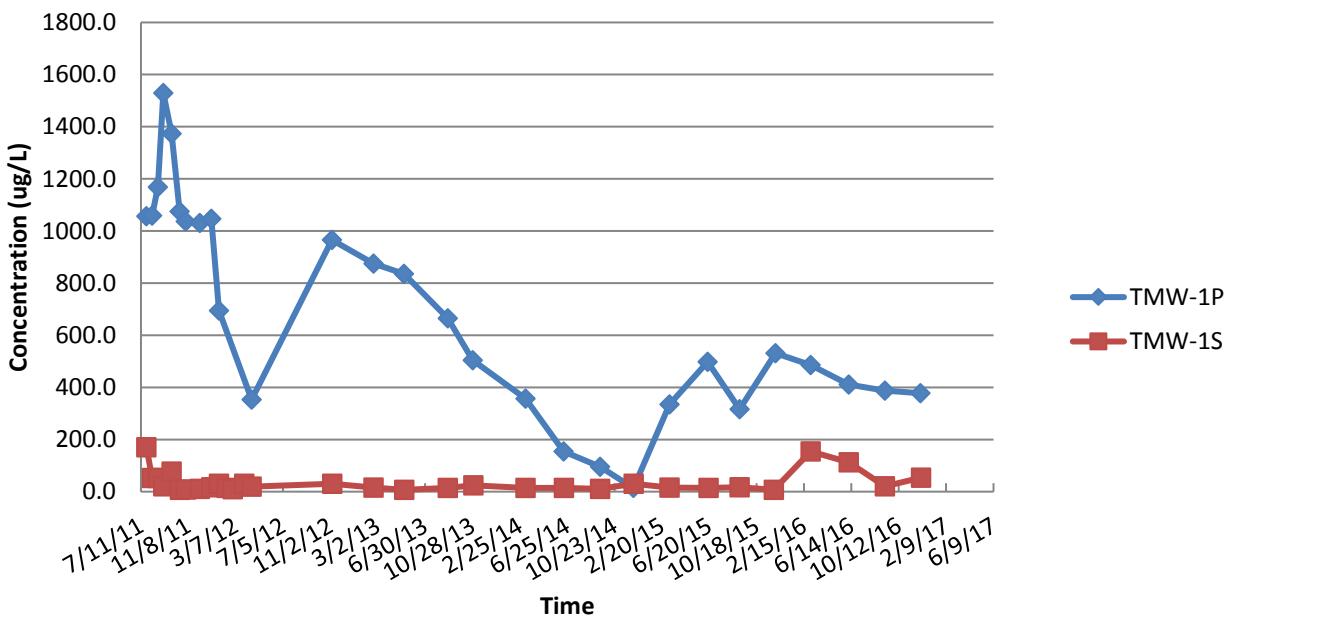


Figure C-8. DO, ORP, pH

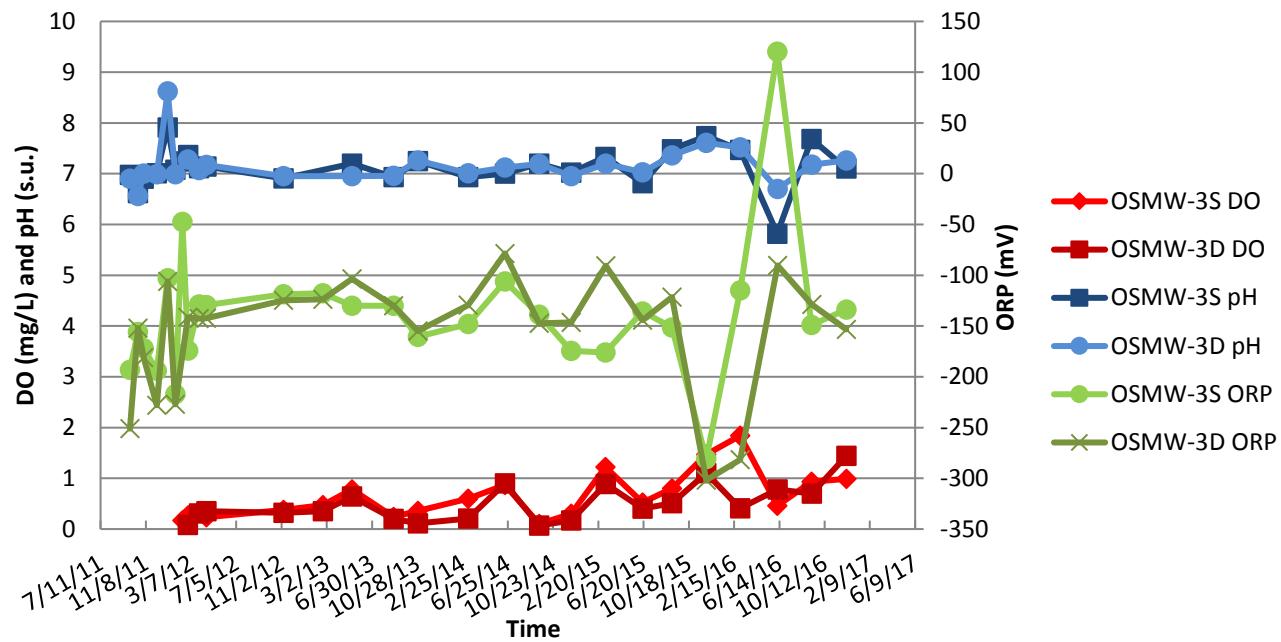


Figure C-8. Total VOCs

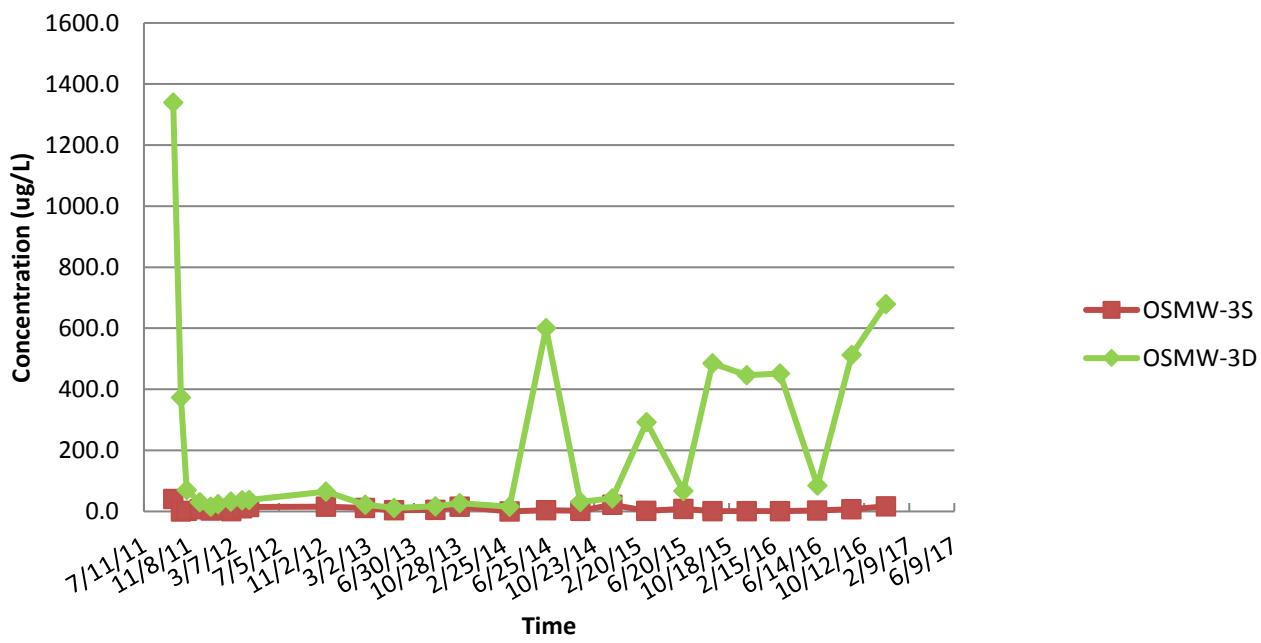


Figure C-9. DO, ORP, pH

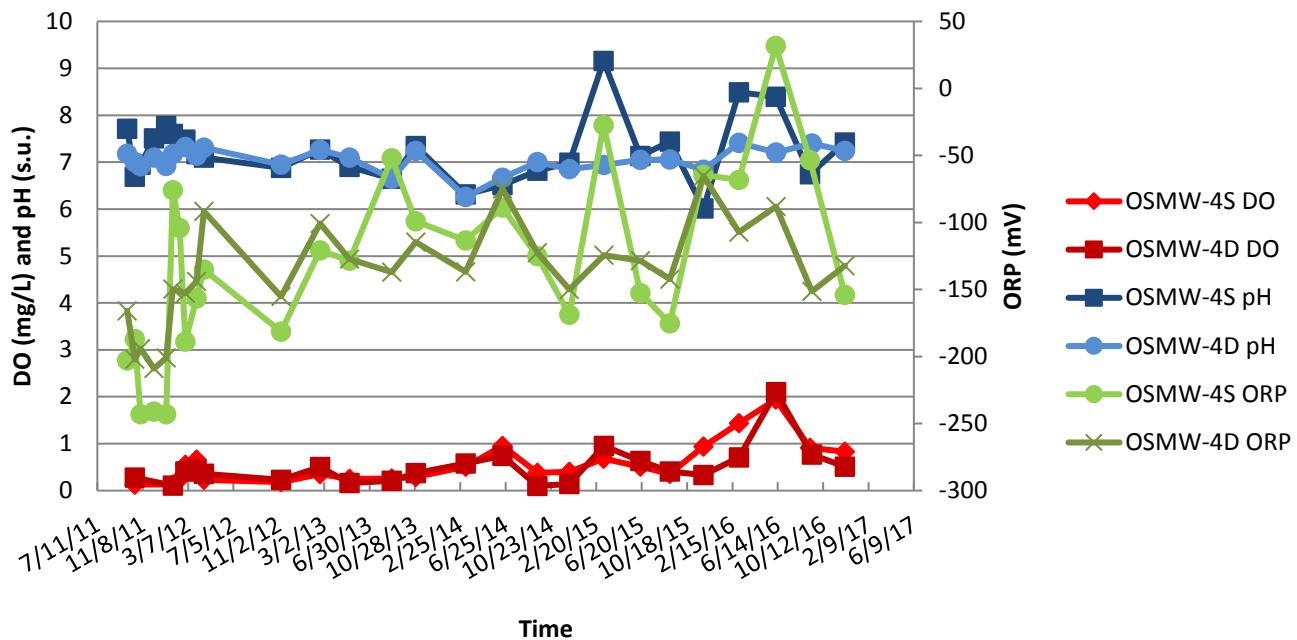


Figure C-9. Total VOCs

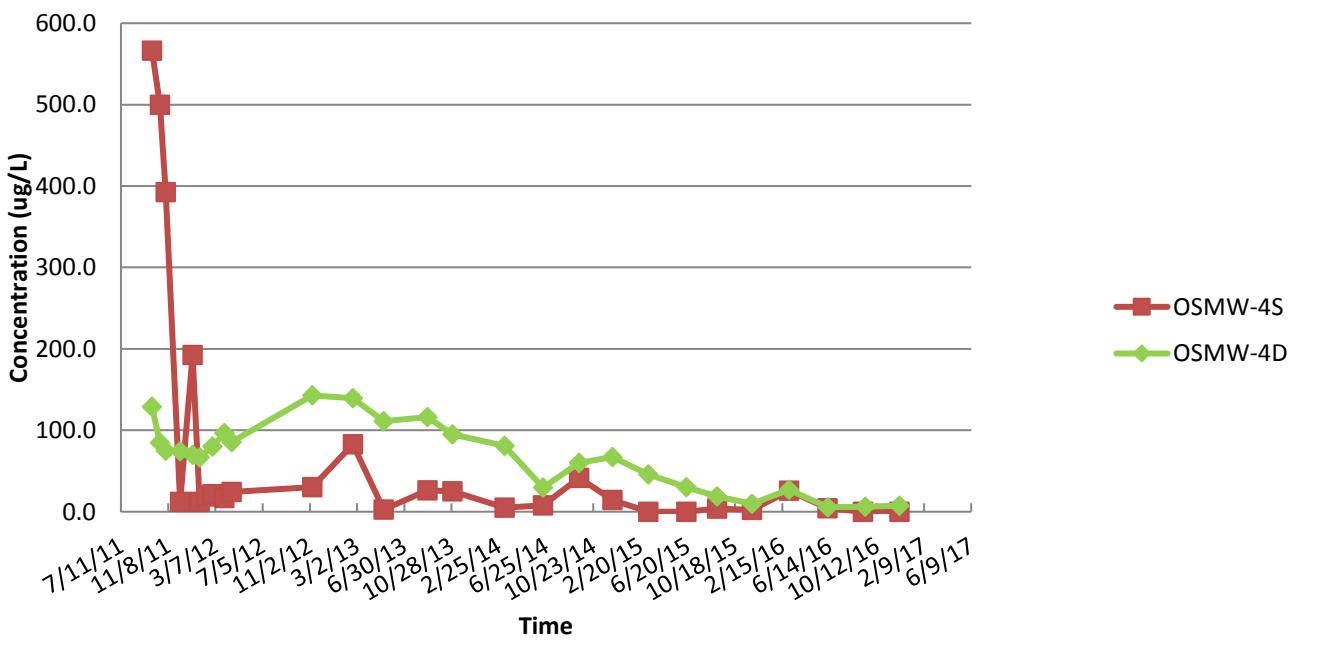


Figure C-10. DO, ORP, pH

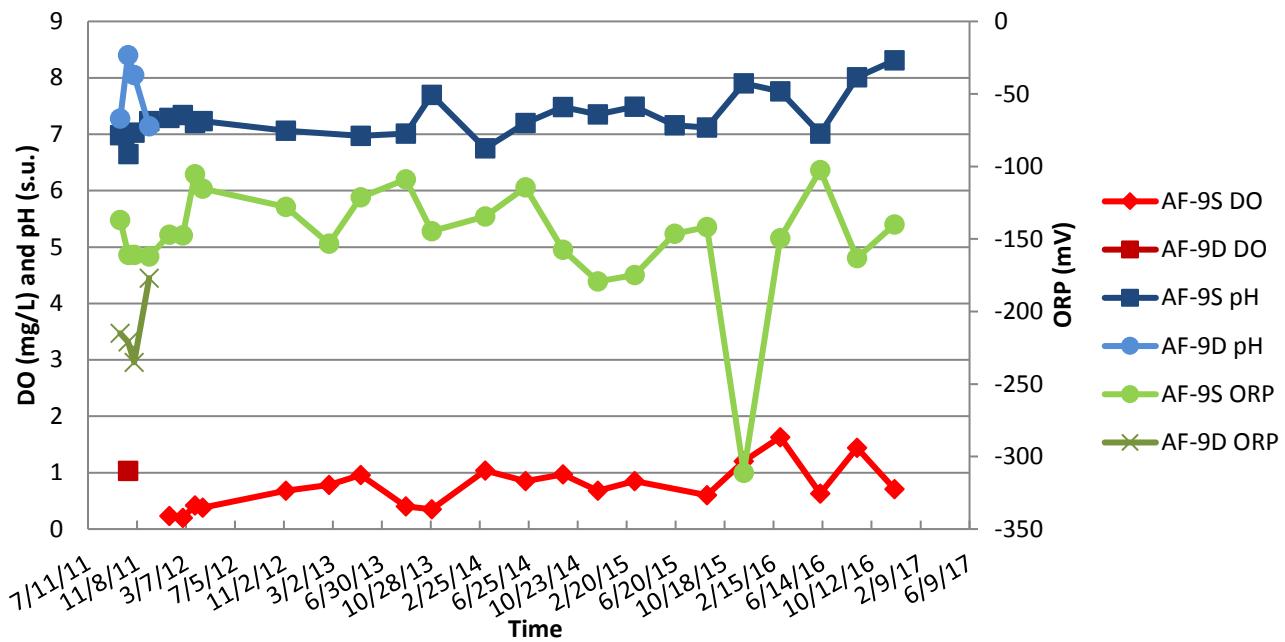


Figure C-10. Total VOCs

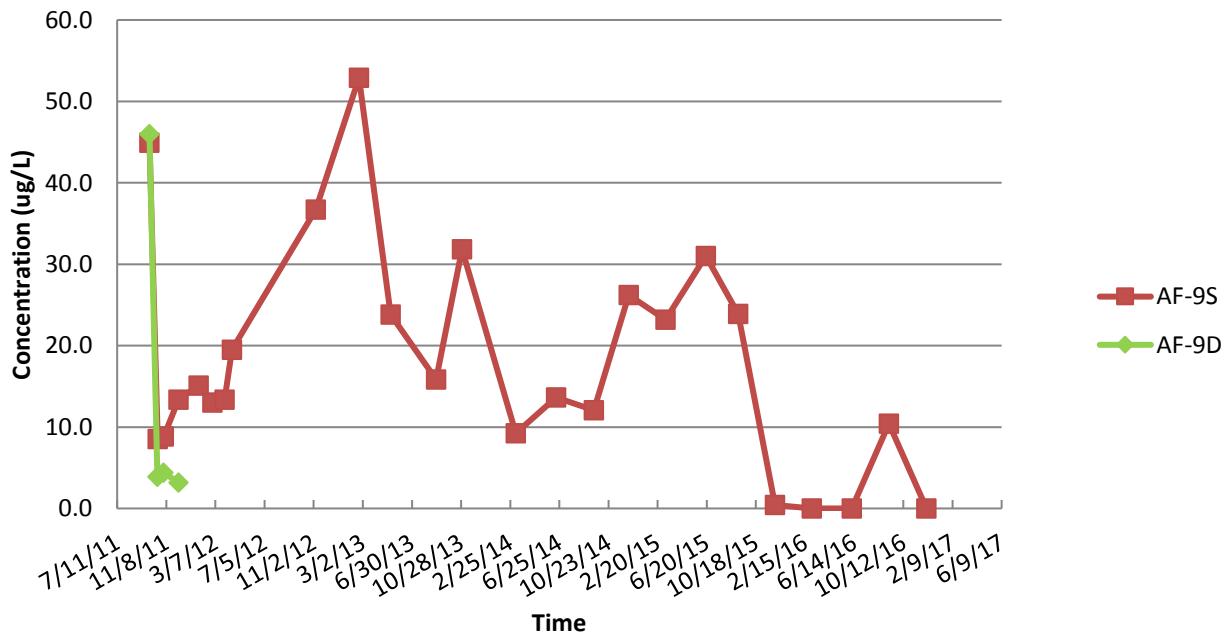


Figure C-11. DO, ORP, pH

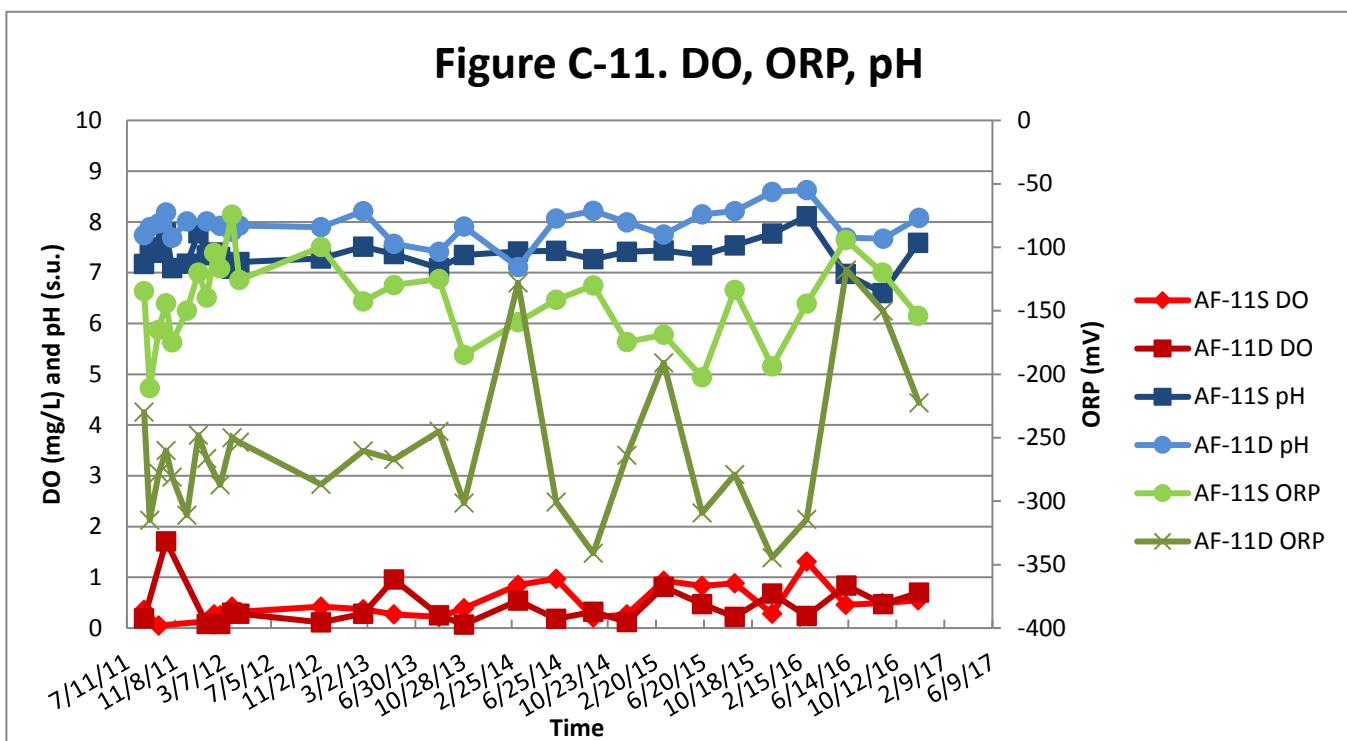


Figure C-12. DO, ORP, pH

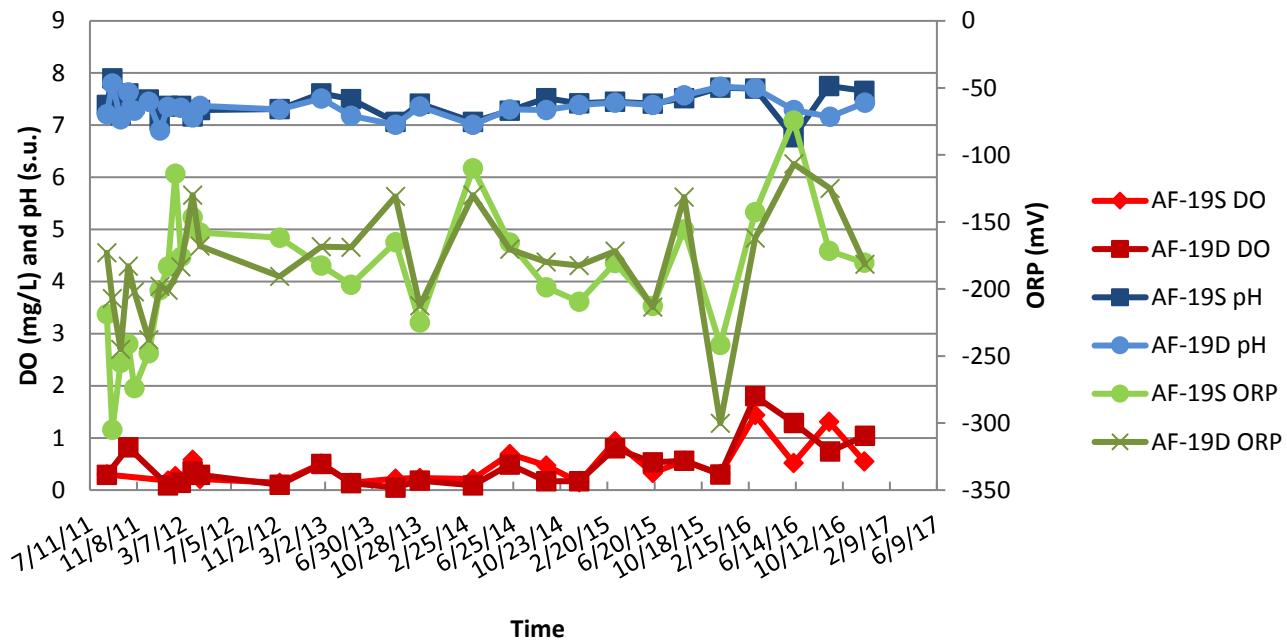


Figure C-13. DO, ORP, pH

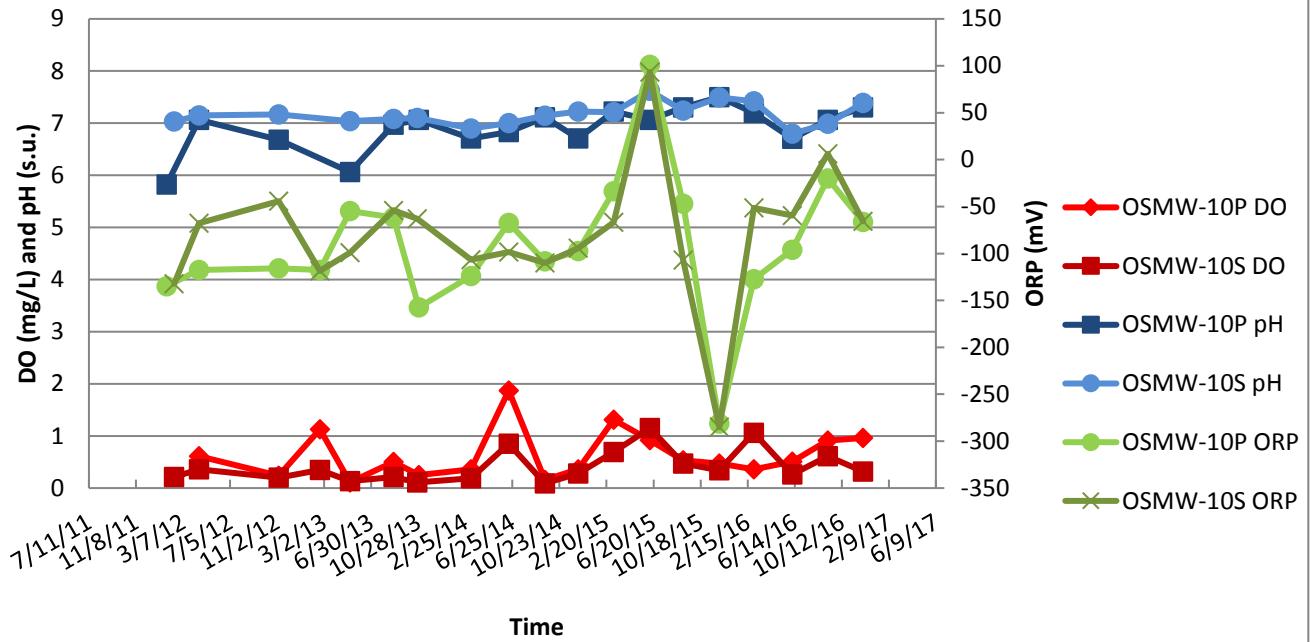


Figure C-14. DO, ORP, pH

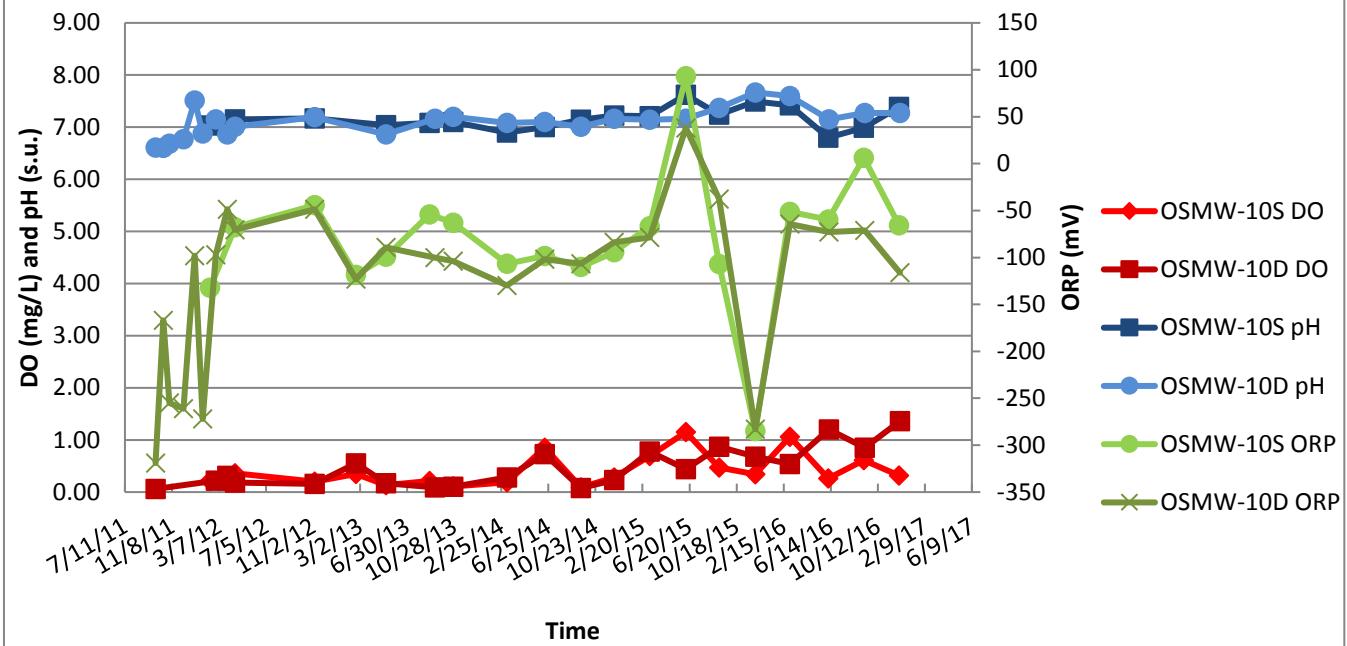
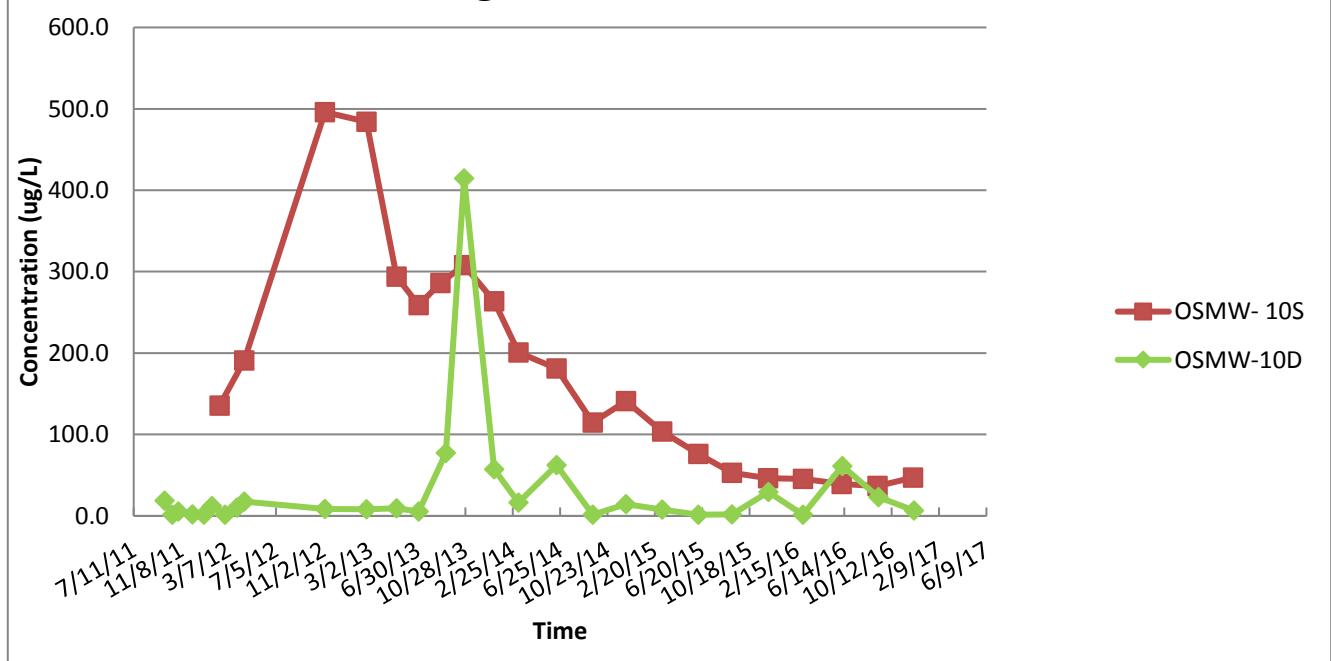


Figure C-14. Total VOCs



OBG

THERE'S A WAY

